



Request Form

Name. IURII GALADZHUN	Account No. RG.CHEM.484523 M Halcrow
Sample ref. IG3A2	Supervisor. PROF. MALCOLM HALCROW
Department. SCHOOL OF CHEMISTRY	Signature. <i>[Signature]</i>
Room No. 1.25 Tel. 011334 36419	Date. 17/8/2016
e-mail. CMIG@LEEDS.AC.UK (Please fill in fully & in BLOCK CAPITALS, failure could result in delay)	

Properties & Hazards

	YES	NO	Unknown
Non Hazardous	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Toxic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Carcinogenic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Explosive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Sensitive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hygroscopic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Light Sensitive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Volatile	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrostatic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Strong odour	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

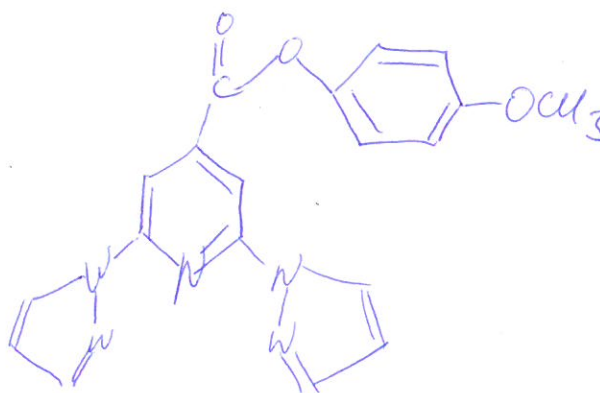
Other.

M/pt. / B/pt. 196 °C

Solid ☒, Liquid ☐

Type of compound – Iron complex

Structure & Empirical Formula



Formula. C₁₉H₁₅N₅O₃

Is there POSSIBILITY for the presence of FLUORINE? YES ☐ / NO ☒

Analysis Required

Theoretical (%)

Found (%)

Carbon	<input checked="" type="checkbox"/>	63.15 ^{+ 1/2 H₂O} 61.62	61.80
Hydrogen	<input checked="" type="checkbox"/>	4.18 4.35	4.20
Nitrogen	<input checked="" type="checkbox"/>	19.38 18.91	18.80
Sulphur	<input type="checkbox"/>		
Halogen	<input type="checkbox"/>		
Other #1	<input type="checkbox"/>		
Other #2	<input type="checkbox"/>		
Other #3	<input type="checkbox"/>		

Micro ID: 288/2016

; Signature: 18. 8. 2016. T.M-C

(Office use only)

Elemental Analysis Service

Please send completed form and samples to:

Stephen Boyer

School of Human Sciences

Science Centre

London Metropolitan University

29 Hornsey Road

London N7 7DD

Telephone: 020 7133 3605

Fax: 020 7133 2577

Email: s.boyer@londonmet.ac.uk



Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 9/3/18

Please submit ca. 5 mg of sample.

Sample Reference No.: I64A-Scr
Name of Compound: bpp-coo-ph-04
Molecular Formula: C ₁₈ H ₁₃ N ₅ O ₃
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	62.24	62.14 ^{-0.10}	62.17 ^{-0.13}	
Hydrogen	3.77	3.58 ^{-0.19}	3.65 ^{-0.12}	
Nitrogen	20.16	19.95 ^{-0.21}	19.92 ^{-0.24}	

Authorising Signature:

Date Completed: 18/3/18 Signature:
Comments:

✓

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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 16/1/18

Please submit ca. 5 mg of sample.

Sample Reference No.: I69C6
Name of Compound: bpp-coo-Ph-OC6H13
Molecular Formula: C24 H25 N2 O3
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	66.81	66.92 ^{+0.11}	67.01 ^{+0.20}	
Hydrogen	5.84	5.65 ^{+0.18}	5.73 ^{+0.08}	
Nitrogen	16.23	16.48 ^{+0.25}	16.41 ^{+0.18}	

Authorising Signature:

Date Completed: 20/1/18 Signature:
Comments:

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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 6/6/17

Please submit ca. 5 mg of sample.

Sample Reference No.: IG9C12
Name of Compound: <chem>bpp-cOO-Ph-OC12H25</chem>
Molecular Formula: C30 H37 N5 O3
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	69.88	69.69	69.75	
Hydrogen	7.23	7.35	7.38	
Nitrogen	13.58	13.51	13.47	

Authorising Signature:

Date Completed: 11/6/17 Signature:
Comments:

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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 6/4/17

Please submit ca. 5 mg of sample.

Sample Reference No.: IEGC14
Name of Compound: bpp-coo-ph-oc14H29
Molecular Formula: C32H41N5O3
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	70.69	70.75	70.81	
Hydrogen	7.60	7.66	7.71	
Nitrogen	12.88	12.89	12.95	

Authorising Signature:

Date Completed: 17/04/17 Signature: [Signature]
Comments:

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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 17/8/17

Please submit ca. 5 mg of sample.

Sample Reference No.: I69 C16
Name of Compound: bpp-coo-ph-o-c ₁₆ H ₃₃
Molecular Formula: C ₃₄ H ₄₅ N ₅ O ₃
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	71.42	71.35	71.35	
Hydrogen	7.93	7.84	7.86	
Nitrogen	12.25	12.15	12.17	

Authorising Signature:

Date Completed: 31/8/17 Signature:
Comments:

V

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Date Submitted: 17/8/17

Please submit ca. 5 mg of sample.

Sample Reference No.: I69 C18 N2
Name of Compound: <chem>ppp-Ph-O-C18H37</chem>
Molecular Formula: C36 H49 N5 O3
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	72.08	71.95	71.99	
Hydrogen	8.23	8.08	8.17	
Nitrogen	11.68	11.54	11.56	

Authorising Signature:

Date Completed: 3/08/17	SR
Signature:	
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V

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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 9/2/18

Please submit ca. 5 mg of sample.

Sample Reference No.: I63C6
Name of Compound: bpp-000-C6H13
Molecular Formula: C18 H21 N5 O2
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	63.70	63.78 ^{+0.08}	63.84 ^{+0.14}	
Hydrogen	6.24	6.37 ^{+0.13}	6.73 ^{+0.09}	
Nitrogen	20.64	20.52 ^{-0.12}	20.78 ^{-0.06}	

Authorising Signature:

Date Completed: 2008/11
Signature: [Signature]
Comments:

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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 31/1/17

Please submit ca. 5 mg of sample.

Sample Reference No. IG3C12
Name of Compound: 1-dodecyl (2,6-di-1H-pyrazole-1-yl)pyridine-4-carboxylate
Molecular Formula: C ₂₄ H ₃₃ N ₅ O ₂
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	68.06	67.86	67.94	-0.12
Hydrogen	7.85	7.91	7.96	-0.11
Nitrogen	16.53	16.37	16.44	-0.9

Authorising Signature:

Date Completed: 08/02/17	Signature:
Comments:	

Elemental Analysis Service



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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 2/3/17

Please submit ca. 5 mg of sample.

Sample Reference No. IG3C14
Name of Compound: 1-tetradecyl (2,6-di-1H-pyrazole-1-yl)pyridine-4-carboxylate
Molecular Formula: C ₂₆ H ₃₇ N ₅ O ₂
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	69.15	69.08	69.04	-0.07
Hydrogen	8.26	8.13	8.07	-0.13
Nitrogen	15.51	15.41	15.38	-0.10

Authorising Signature:

Date Completed: 02/01/17 Signature:
Comments:

Elemental Analysis Service



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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 31/1/17

Please submit ca. 5 mg of sample.

Sample Reference No. IG3C16
Name of Compound: 1-hexadecyl (2,6-di-1H-pyrazole-1-yl)pyridine-4-carboxylate
Molecular Formula: C ₂₈ H ₄₁ N ₅ O ₂
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	± 0.40
Carbon	70.11	69.98	69.95	-0.16
Hydrogen	8.62	8.50	8.57	-0.05
Nitrogen	14.60	14.48	14.48	-0.12

Authorising Signature:

Date Completed: 01/02/17	Signature: [Signature]
Comments:	

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Sample submitted by: Iurii Galadzhun
Address: School of Chemistry, University of Leeds, Leeds, West Yorkshire LS2 9JT
Telephone: 0744 212 8813 Email: cmig@leeds.ac.uk
Date Submitted: 24/4/18

Please submit ca. 5 mg of sample.

Sample Reference No.: I63C18
Name of Compound: bpp-600-C18H36
Molecular Formula: C30H45N5O2
Stability: Stable
Hazards: n/a
Other Remarks: n/a

Element	Expected %	Found (1)	Found (2)	
Carbon	70.87	70.99 ^{+0.02}	70.91 ^{-0.06}	
Hydrogen	8.93	8.74 ^{-0.19}	8.80 ^{-0.13}	
Nitrogen	13.79	13.85 ^{+0.06}	13.74 ^{-0.05}	

Authorising Signature:

Date Completed: 04/05/18 Signature:
Comments:

✓