



# Request Form

Name. ....Ryan Smith.....

Account No. ....RG.CHEM.484523.....

Sample ref. **RS15**

Supervisor. ....Prof. M.A.HALCROW.....

Department. ....SCHOOL OF CHEMISTRY.....

Signature. **Ryan Smith**

Room No. ....1.29..... Tel. ....36419.....

Date. **9/2/15**

e-mail. **CM11R35**  
.....@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 checked="" type="checkbox"/>	<input type="checkbox"/>
Toxic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
Hygroscopic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Light Sensitive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Volatile	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrostatic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Strong odour	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

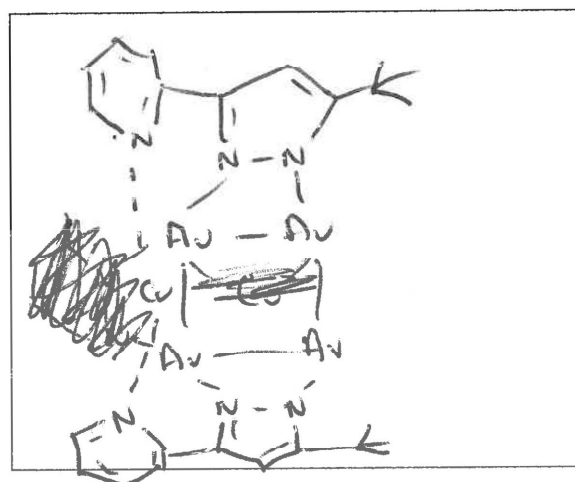
Other. ....

M/pt. / B/pt. .... °C

Solid ☒ Liquid ☐

Type of compound -

## Structure & Empirical Formula



Formula.  $[\text{Au}_2\text{Cu}_2(\text{C}_{12}\text{H}_{14}\text{N}_3)_2] \text{PF}_6$

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

## Analysis Required

### Theoretical (%)

### Found (%)

Carbon ☒

~~36.26~~ ~~33.60~~

~~39.30~~ ~~34.90~~

Hydrogen ☒

~~3.30~~ ~~3.24~~

~~3.85~~ ~~3.30~~

Nitrogen ☒

~~8.89~~ ~~4.14~~

~~11.48~~ ~~10.00~~

Sulphur ☐

Halogen ☐

Other #1 ☐

Other #2 ☐

Other #3 ☐

Micro ID: **71/2015**

; Signature: **17.2.2015**

**J.H.C.**

(Office use only)