



[Tris-(4-{thiazol-4-yl}-3-aza-3-butenyl)amine]iron(II) di-tetrafluoroborate

C₁₈H₂₁B₂F₈FeN₇S₃

Compound **1**

The dataset contains:

Analytical characterisation of **1** (CHN microanalysis)

X-ray Crystallographic data:

- Structures of **1** at seven temperatures (CCDC 1519291–1519297).
- An alternative structure refinement of **1** in a re-entrant intermediate crystal phase at 175 K (CCDC 1526385).
- Variable temperature unit cell data for **1**.
- Diffraction images along the *h*00, 0*k*0 and 00*l* zones showing the existence of the intermediate phase.

Variable temperature magnetic susceptibility measurements (raw and processed data).