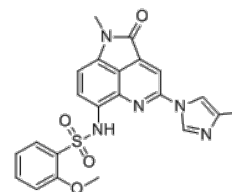


Product Name : LT052
Cat. No. : PC-21331
CAS No. : 2543545-44-2
Molecular Formula : C₂₂H₁₉N₅O₄S
Molecular Weight : 449.49
Target : Bromodomain
Solubility : 10 mM in DMSO



CAS: 2543545-44-2

Biological Activity

LT052 is a potent, selective **BET BD1 bromodomain** inhibitor with IC₅₀ of 88 nM, 138-fold selectivity for BRD4 BD1 over BRD4 BD2.

LT052 mediates BRD4/NF-κB/NLRP3 signaling inflammatory pathways with comparable protein expression and significantly improves symptoms of gout arthritis in a rat model.

References

Fei Jiang, et al. *J Med Chem.* 2019 Dec 26;62(24):11080-11107.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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