

Product Name : T-3775440 hydrochloride

Synonyms : T 3775440; T3775440

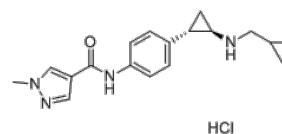
Cat No. : M11774

CAS Number : 1422535-52-1

Molecular Formula : C₁₈H₂₃ClN₄O

Formula Weight : 346.86

Chemical Name : N-(4-((1S,2R)-2-((cyclopropylmethyl)amino)cyclopropyl)phenyl)-1-methyl-1H-pyrazole-4-carboxamide hydrochloride



Description : A novel potent, selective, irreversible LSD1 inhibitor with IC₅₀ of 2.1 nM; displays high selectivity for LSD1 relative to other monoamine oxidases (e.g., MAO-A and MAO-B); disrupts the interaction between LSD1 and growth factor-independent 1B (GFI1B) in leukemia cell lines, exhibits significant antitumor efficacy in AEL and AMKL xenograft models.

Pathway : Chromatin/Epigenetic

Target : Histone Demethylase

Receptor : Histone Demethylase

Solubility : DMSO : ≥ 30.18 mg/mL 87.01 mM

SMILES : CN1C=C(C=N1)C(=O)NC2=CC=C(C=C2)C3CC3NCC4CC4.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Takagi S, et al. Cancer Res. 2017 Jun 30. pii: canres.3502.2016. | 2. Ishikawa Y, et al. Mol Cancer Ther. 2017 Feb; 16(2):273-284.