



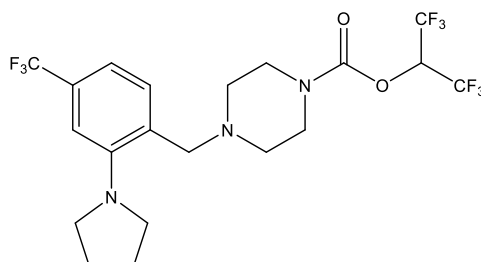
Catalog # 10-4596

ABX-1431

CAS# 1446817-84-0

1,1,1,3,3,3-Hexafluoropropan-2-yl-4-[[2-(pyrrolidin-1-yl)-4-(trifluoromethyl)phenyl]methyl]piperazine-1-carboxylate

Lot # FBA7114



ABX-1431 is potent (IC_{50} = 14 nM in vitro, 2.2 nM in human PC3 cells) and very selective (>100-fold over hABHD6, >200-fold over hPLA2G7) inhibitor of monoacylglycerol lipase (MAGL).¹ Active in a rat formalin pain test at 3mg/kg. Orally bioavailable and CNS penetrant.

- 1) Cisar *et al.* (2018), *Identification of ABX-1431, a Selective Inhibitor of Monoacylglycerol Lipase and Clinical Candidate for Treatment of Neurological Disorders*; J. Med. Chem., **61** 9062

PHYSICAL DATA

Molecular Weight:	507.40
Molecular Formula:	C ₂₀ H ₂₂ F ₉ N ₃ O ₂
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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