



## Catalog # 10-1199

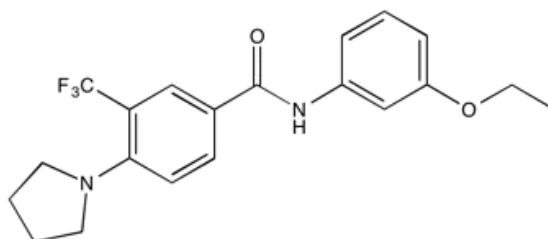
### EPPTB

CAS# 1110781-88-8

RO5212773

N-(3-Ethoxy-phenyl)-4-pyrrolidin-1-yl-3-trifluoromethyl-benzamide

Lot # X102372



A novel selective trace amine associated receptor 1 (TAAR1) antagonist (IC<sub>50</sub>=28 nM at mouse TAAR1).<sup>1,2</sup>  
A useful tool for probing the physiologic role of TAAR1.<sup>3-6</sup>

- 1) Bradaia *et al.* (2009), *The selective antagonist EPPTB reveals TAAR1-mediated regulatory mechanisms in dopaminergic neurons of the mesolimbic system*; Proc. Natl. Acad. Sci. USA, **106** 20081
- 2) Stalder *et al.* (2011), *Selective antagonists of mouse trace amine-associated receptor 1 (mTAAR1): discovery of EPPTB (RO5212773)*; Bioorg.Med.Chem.Lett., **21** 1227
- 3) Zhang *et al.* (2018), *Striatal Tyrosine Is Stimulated via TAAR1 by 3-Iodothyronamine, But Not by Tyramine or  $\beta$ -Phenylethylamine*; Front. Pharmacol., **9** 166
- 4) De Greggrio *et al.* (2016), *The hallucinogen d-lysergic diethylamide (LSD) decreases dopamine firing activity through 5-HT1A, D2 and TAAR1 receptors*; Pharmacol. Res., **113** 81
- 5) Cichero *et al.* (2014), *Further insights into the pharmacology of the human trace amine-associated receptors: discovery of the novel ligands for TAAR1 by a virtual screening approach*; Chem. Biol. Drug Des., **84** 712
- 6) Liu *et al.* (2014), *Ractopamine, a livestock feed additive, is a full agonist at trace amine-associated receptor 1*; J. Pharmacol. Exp. Ther. **350** 124

### PHYSICAL DATA

Molecular Weight:	378.40
Molecular Formula:	C <sub>20</sub> H <sub>21</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
Purity:	99% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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