



Product Information

Paliflutine

Cat. No.: X23-12-YM225

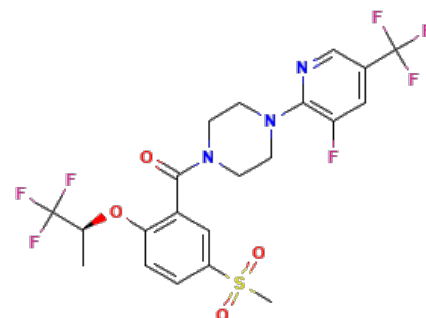
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 845614-11-1

PubChem CID: 24946690

Synonym: 845614-11-1; RG1678

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Bitopertin, soluble in DMSO and ethanol and insoluble in water, interferes with or suppresses the transmission of signals between neurons in the nervous system. It targets GlyT1.
Molecular Weight	543.46
Molecular Formula	C ₂₁ H ₂₀ F ₇ N ₃ O ₄ S
Targets	GlyT1: 25 nM
IUPAC Name	[4-[3-Fluoro-5-(trifluoromethyl)pyridin-2-yl]piperazin-1-yl]-[5-methylsulfonyl-2-[(2S)-1, 1, 1-trifluoropropan-2-yl]oxyphenyl]methanone
InChI	InChI=1S/C21H20F7N3O4S/c1-12(20(23, 24)25)35-17-4-3-14(36(2, 33)34)10-15(17)19(32)31-7-5-30(6-8-31)18-16(22)9-13(11-29-18)21(26, 27)28/h3-4, 9-12H, 5-8H2, 1-2H3/t12-/m0/s1
InChI Key	YUUGYIUSCYNSQR-LBPRGKRZSA-N
Canonical SMILES	CC(C(F)(F)F)OC1=C(C=C(C=C1)S(=O)(=O)C(=O)N2CCN(CC2)C3=C(C=C(C(=N3)C(F)(F)F)F
Isomeric SMILES	C[C@@H](C(F)(F)F)OC1=C(C=C(C=C1)S(=O)(=O)C(=O)N2CCN(CC2)C3=C(C=C(C(=N3)C(F)(F)F)F
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 89 mg/mL (163.76 mM); Water: insoluble; Ethanol: 89 mg/mL (163.76 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Bitopertin can be studied extensively for its potential applications in research on diseases of the central and peripheral nervous systems.



Storage

Store at -20°C, and keep desiccated.
