



Product Information

Trk receptor inhibitor LM22A-4, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ376

Size: 10 mg; 25 mg; 50 mg; 100 mg

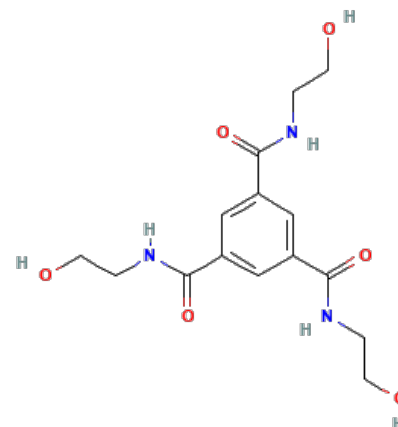
MDL: MFCD00382831

CAS Number: 37988-18-4

Compound CID: 2054170

Synonym: 37988-18-4; Trk receptor inhibitor; LM 22A4; LM 22A-4

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



Product Information

Description	LM22A-4, soluble in DMSO, water and ethanol, blocks the activity of tropomyosin receptor kinases, which are involved in the growth and survival of neurons.
Molecular Weight	339.34
Molecular Formula	C ₁₅ H ₂₁ N ₃ O ₆
IUPAC Name	1- <i>N</i> ,3- <i>N</i> ,5- <i>N</i> -tris(2-hydroxyethyl)benzene-1,3,5-tricarboxamide
InChI	InChI=1S/C15H21N3O6/c19-4-1-16-13(22)10-7-11(14(23)17-2-5-20)9-12(8-10)15(24)18-3-6-21/h7-9,19-21H,1-6H2,(H,16,22)(H,17,23)(H,18,24)
InChI Key	RGWJKANXFYJKHN-UHFFFAOYSA-N
Canonical SMILES	C1=C(C=C(C=C1C(=O)NCCO)C(=O)NCCO)C(=O)NCCO
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 60 mg/mL (176.81 mM); Water: 60 mg/mL (176.81 mM); Ethanol: 3 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	LM22A-4 is used in the study of neurotrophin receptor TrkB, with implications for neurodegenerative disease investigations.
Storage	Store at -20°C, and keep desiccated.