

LM22A-4, TrkB small molecule agonist

| Catalog | Unit |
|--------------|-------|
| TBI1405-5MG | 5 mg |
| TBI1405-25MG | 25 mg |

Product Details

Formal Name: N,N,N' Tris(2-hydroxyethyl)-1,3,5-benzenetricarboxamide

Molecular Formula: C₁₅H₂₁N₃O₆

Formula Weight: 339.35

CAS Number: 37988-18-4

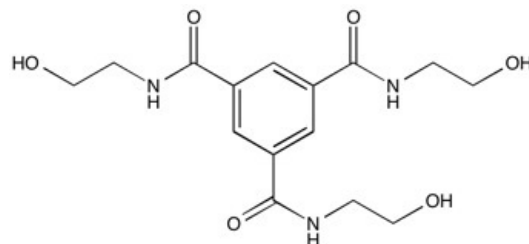
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml), or in Water (up to 50 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

TrkB small molecule agonist

Functions

Small molecule BDNF mimetic displaying neurotrophic activity. Partial agonist at TRKB and activates TRKB signaling. In in vitro models of neurodegenerative disease, it prevented neuronal degeneration with equal efficacy to that of BDNF. After in vivo administration, it caused hippocampal and striatal TrkB activation in mice and improved motor learning after traumatic brain injury in rats. Improves respiratory function in a mouse models of Rett syndrome.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), or in Water (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° for up to 1 month.

For research use only.