

Catalog	Unit
TBI1300 - 10MG	10 mg
TBI1300 - 50MG	50 mg

Product Details

Formal Name: 3-(N,N-Dimethylsulfonamido)-4-methylnitrobenzene.

Molecular Formula: C₉H₁₂N₂O₄.

Formula Weight: 244.27.

CAS Number: 433695-36-4.

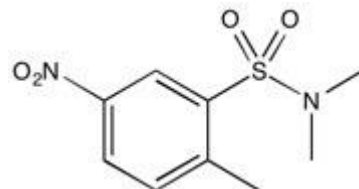
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 40 mg/ml) or in Ethanol (up to 5 mg/ml).

Storage: Room Temperature.

Stability: ≥ 2 years.



Applications

Phosphodiesterase PDE7 inhibitor.

Functions

Potent and selective inhibitor of phosphodiesterase-7 (PDE7), K_i=180 nM. Induces apoptosis in chronic lymphocytic leukemia cells which express PDE7B. Increases mineralization in osteoblasts differentiated from hMSC. Cell permeable.

Application Procedures

BRL-50481 can be first dissolved in DMSO (up to 40 mg/ml) or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Relative Products

TBI2438	EHNA Hydrochloride, PDE2 and ADA Inhibitor
TBI1220	Anagrelide HCl, PDE3 Inhibitor
TBI1221	Sildenafil citrate, PDE5 Inhibitor
TBI1008	IBMX, PDE Inhibitor (Pan Specific)
TBI1126	Vinpocetine, PDE1 Inhibitor
TBI2657	Roflumilast, PDE4 Inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor

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