

TJ-M2010-5, MyD88 inhibitor

Catalog	Unit
TBI4919-5MG	5 mg
TBI4919-25MG	25 mg

Product Details

Formal Name: 3-(4-Benzylpiperazin-1-yl)-N-(4-phenyl-1,3-thiazol-2-yl)propanamide

Molecular Formula: C₂₃H₂₆N₄OS

Formula Weight: 406.6

CAS Number: 1357471-57-8

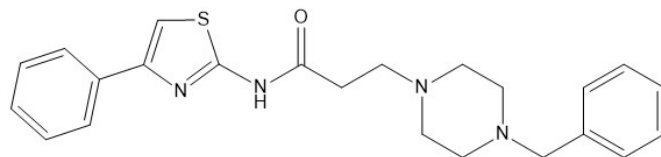
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (> 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

MyD88 inhibitor

Functions

Inhibitor of the toll-like receptor(TLR)/adaptor molecule myeloid differentiation factor 88 (MyD88) signaling pathway, crucial for inflammation and associated with the development of many inflammation-related cancers. It ameliorates ischemia-reperfusion injury in various organ models including brain, liver, and heart. TJ-M2010-5 also suppressed proliferation, migration, and invasion in MCF-7 and MDA-MB-231 breast cancer cells. It prevented colitis-associated colorectal cancer by impairing myeloid-derived suppressor cells.

Application Procedures

First dissolved in DMSO (> 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.