

Catalog	Unit
TBI4294-5MG	5 mg
TBI4294-25MG	25 mg

Product Details

Formal Name: 4-[(6,10-Dihydro-5,10-dimethyl-6-oxo-5H-pyrimido[5,4-b]thieno[3,2-e]diazepin-2-yl)amino]benzenesulfonamide

Molecular Formula: C₁₇H₁₆N₆O₃S₂

Formula Weight: 416.5

CAS Number: 2061980-01-4

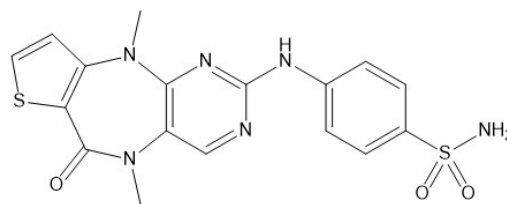
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 15 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Potent and selective MST1/2 kinase inhibitor

Functions

Potent, reversible, and selective inhibitor of the HIPPO pathway kinases MST1 and MST2 (IC₅₀s = 71 nM and 38 nM respectively). It promoted liver repair/regeneration in mice and attenuated acetaminophen-induced liver injury. In a subarachnoid hemorrhage mouse model, XMU-MP-1 alleviated neurological deficits, brain edema, neuroinflammation, and white matter injury. XMU-MP-1 was also cardioprotective in mice with transverse aortic constriction and against ischemia/reperfusion injury.

Application Procedures

First dissolved in DMSO (15 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.