

Catalog	Unit
TBI3451-5MG	5 mg
TBI3451-25MG	25 mg

Product Details

Formal Name: N-[1-(1-Oxopropyl)-4-piperidinyl]-N'-[4-(trifluoromethoxy)phenyl]-urea

Molecular Formula: C₁₆H₂₀F₃N₃O₃

Formula Weight: 359.3

CAS Number: 1222780-33-7

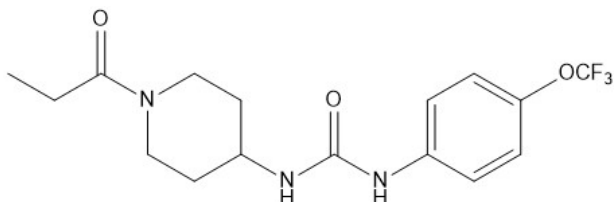
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 40 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Soluble epoxide hydrolase inhibitor

Functions

Potent and selective inhibitor of both murine and human soluble epoxide hydrolase, IC₅₀=2.8 and 3.7 nM respectively. It alleviated blood brain barrier damage and attenuated neuronal injury in a mouse intracerebral hemorrhage model and displays neuroprotective effects in ischemic injury. It reduces neuroinflammation in a mouse model of Alzheimer's disease. It improves insulin resistance and reduced hypertension in mouse models. Cell permeable and active in vivo.

Application Procedures

First dissolved in DMSO (40 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.