

Catalog	Unit
TBI4418-5MG	5 mg
TBI4418-25MG	25 mg

### Product Details

**Formal Name:** N-Butyl-4-[(phenylamino)sulfonyl]-N-(phenylmethyl)benzamide

**Molecular Formula:** C<sub>24</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>S

**Formula Weight:** 422.5

**CAS Number:** 2244678-29-1

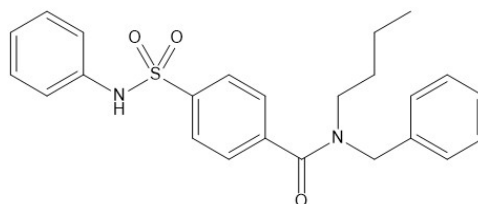
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Allosteric LIM kinase inhibitor

### Functions

Potent (IC<sub>50</sub>'s = 238 nM (LIMK1) and 91 nM (LIMK2)) and highly selective (no off-targets against 468 kinases) allosteric inhibitor of LIM kinase 1/2. It inhibited neurite outgrowth in N1E-115 cells in a dose-dependent manner.

### 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.**