

Catalog	Unit
TBI1408 -5MG	5 mg
TBI1408 -25MG	25 mg

### Product Details

Formal Name: 3,6,7-Dihydro-3-phenyl-2-(propylthio)thieno[3,2-d]pyrimidin-4(3H)one.

Molecular Formula: C<sub>15</sub>H<sub>16</sub>N<sub>2</sub>OS<sub>2</sub>.

Formula Weight: 304.44.

CAS Number: 686770-80-9.

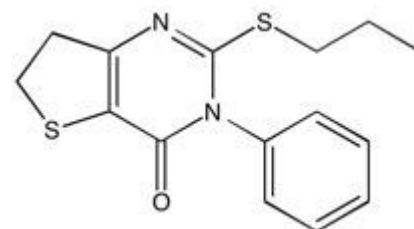
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 14 mg/ml with warming).

Storage: Room Temperature.

Stability: ≥ 2 years.



### Applications

Phosphodiesterase 11 (PDE11) inhibitor.

### Functions

A potent and selective inhibitor of phosphodiesterase PDE11 (IC<sub>50</sub>=0.28 μM). IC<sub>50</sub>s for PDE1-10 are greater than 100 μM. Restores the ability of p54<sup>mb</sup> / NONO<sup>KD</sup> cells to generate cAMP in response to ACTH stimulation and the production of cortisol and DHEA in response to cAMP signaling.

### Application Procedures

BC-11-38 can be first dissolved in DMSO (up to 50 mg/mL), then diluted to aqueous buffer. The solution can be stored at -20°C for up to 2 weeks.

### 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

**For research use only.**