
Catalog	Unit
TBI1555-5MG	5 mg
TBI1555-25MG	25 mg

Product Details

Formal Name: N-Benzyl-2-(2,3-dihydro-1,4-benzoxazin-4-yl)-5,6,7,8-tetrahydroquinazolin-4-amine

Alternate Names: CID49830260

Molecular Formula: C₂₃H₂₄N₄O

Formula Weight: 372.46

CAS Number: 1346528-06-0

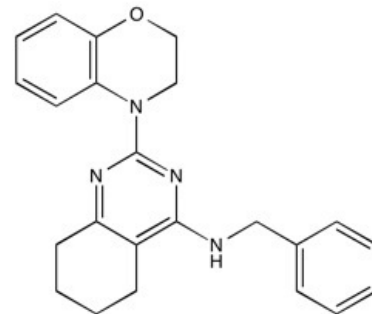
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

p97 AAA ATPase inhibitor

Functions

Potent and selective p97 AAA ATPase inhibitor, IC₅₀=100 nM. Inhibits degradation of a p97-dependent but not p97-independent proteasome substrate in a dual-reporter cell line. It impairs the endoplasmic reticulum-associated degradation (ERAD) pathway. ML241 and related inhibitors (DBeQ for example) have differential responses to p97 mutants as well as the presence of cofactors suggesting the possibility of context-dependent p97 inhibitors.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or Ethanol (up to 14 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.