

Exo2, GBF1 inhibitor; Induces Golgi disassembly

Catalog	Unit
TBI1594-5MG	5 mg
TBI1594-25MG	25 mg

Product Details

Formal Name: 2-Methoxy-4-[(5,6,7,8-tetrahydrobenzo[4,5]thieno[2,3-d]pyrimidin-4-yl)-hydrazonomethyl]-phenol

Molecular Formula: C₁₈H₁₈N₄O₂S

Formula Weight: 354.43

CAS Number: 304684-77-3

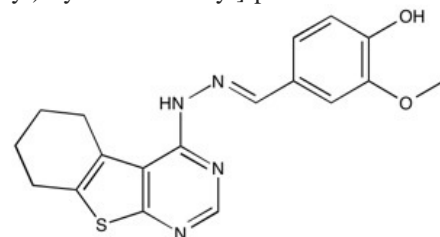
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

GBF1 inhibitor; Induces Golgi disassembly

Functions

Exo2 disrupts the Golgi apparatus and stimulates Golgi-ER fusion in mammalian cells. May be used to completely ablate the Golgi apparatus. Like brefeldin A (BFA), it inhibits anterograde transport and disrupts morphology of the trans-Golgi network (TGN) but unlike BFA, it does not induce tubulation and merging of the TGN and endosomal compartments. It perturbs trafficking of Shiga toxin between endosomes and the trans-Golgi network, in contrast to cholera toxin. Accelerates degradation of perilipin-2 proteins.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.