

Rbin-1, Eukaryotic ribosome assembly inhibitor

Catalog	Unit
TBI4606-5MG	5 mg
TBI4606-25MG	25 mg

Product Details

Formal Name: 3-[(2-Methyl-2-propen-1-yl)sulfanyl]-5H-[1,2,4]triazino[5,6-b]indole

Molecular Formula: C₁₃H₁₂N₄S

Formula Weight: 256.33

CAS Number: 328023-11-6

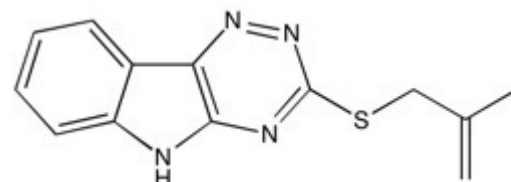
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

Eukaryotic ribosome assembly inhibitor

Functions

Rbin-1 is potent (GI₅₀ = 136 nM) and reversible inhibitor of eukaryotic ribosome assembly. The biochemical target of Rbin-1 is Midasin (Mdn1), an essential AAA+ protein. Blocking of Mdn1 by Rbin-1 inhibits the processing of pre-60S particles, important pre-ribosomal subunits produced in the nucleolus.

Application Procedures

First dissolved in DMSO (up to at least 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.