

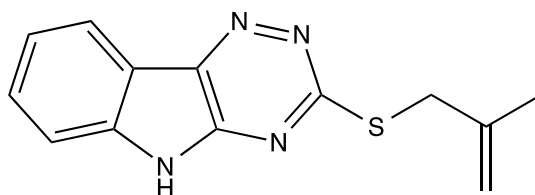
**Catalog #10-4606**

**Rbin-1**

CAS# 328023-11-6

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

Lot # FBA4115



Rbin-1 is potent ( $GI_{50} = 136$  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.

- 1) Kawashime *et al.* (2016), *Potent, Reversible, and Specific Chemical Inhibitors of Eukaryotic Ribosome Biogenesis*; Cell **167** 512

**PHYSICAL DATA**

Molecular Weight:	256.33
Molecular Formula:	C <sub>13</sub> H <sub>12</sub> N <sub>4</sub> S
Purity:	>98% (TLC)
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/mL)
Physical Description:	Pale yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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