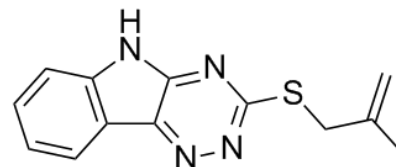


**Product Name** : Rbin-1  
**Cat. No.** : PC-42264  
**CAS No.** : 328023-11-6  
**Molecular Formula** : C<sub>13</sub>H<sub>12</sub>N<sub>4</sub>S  
**Molecular Weight** : 256.3262  
**Target** : Other Targets  
**Solubility** : DMSO: ≥ 31 mg/mL



## Biological Activity

Rbin-1 (Ribozinoindole-1) is a potent, specific and reversible inhibitor of eukaryotic ribosome biogenesis that targets the **AAA+ protein Midasin** (IC<sub>40</sub>=1 uM); inhibits the cell growth Wild-type fission yeast strains with GI<sub>50</sub> of 136 nM, reduces the levels of Mdn1 in the Nsa1 particle; A powerful probe for eukaryotic ribosome assembly.

## References

Kawashima SA, et al. *Cell*. 2016 Oct 6;167(2):512-524.e14.

Garbarino JE, et al. *BMC Genomics*. 2002;3:18.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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