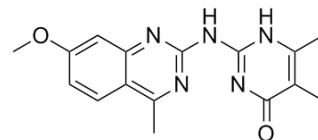


Data Sheet

| | |
|--------------------|---|
| Product Name: | Madrasin |
| Cat. No.: | HY-100236 |
| CAS No.: | 374913-63-0 |
| Molecular Formula: | C ₁₆ H ₁₇ N ₅ O ₂ |
| Molecular Weight: | 311.34 |
| Target: | DNA/RNA Synthesis |
| Pathway: | Cell Cycle/DNA Damage |
| Solubility: | 10 mM in DMSO |



BIOLOGICAL ACTIVITY:

Madrasin is a potent and cell penetrant splicing inhibitor that interferes with the early stages of spliceosome assembly. Madrasin is cytotoxic at higher concentrations, although at lower concentrations it induces cell cycle arrest, promotes a specific reorganization of subnuclear protein localization, and modulates splicing of multiple pre-mRNAs in both HeLa and HEK293 cells.

References:

[1]. Andrea Pawellek et al. Identification of Small Molecule Inhibitors of Pre-mRNA Splicing. *J Biol Chem*, 2014 Dec 12, 289(50): 34683–34698.

Caution: Product has not been fully validated for medical applications. For research use only.

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