

Product Data Sheet

Product Name: Madrasin

Cat. No.: GC19238

Chemical Properties

Cas. No. 374913-63-0

SMILES O=C1N=C(NC2=NC(C)=C3C=CC(OC)=CC3=N2)NC(C)=C1C

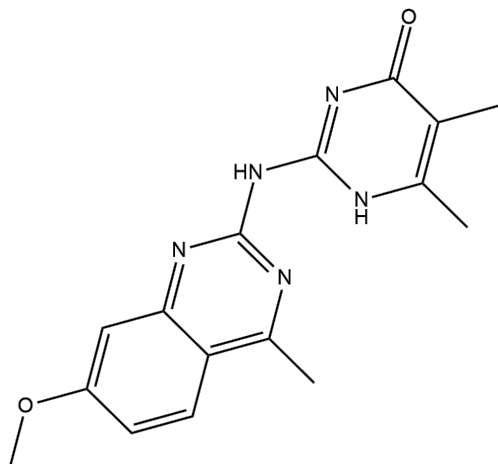
Formula $C_{16}H_{17}N_5O_2$ M.Wt 311.34

Solubility DMF: 1 mg/ml, DMF:PBS (pH7.2) (1:40): 0.025 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

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

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

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Chem, 2014 Dec 12, 289(50): 34683-34698.

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