

## Product Information

### Madrasin, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1384

**Size:** 10 mg; 25 mg; 50 mg; 100 mg

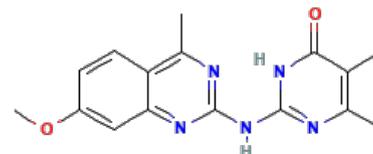
**CAS Number:** 374913-63-0

**Compound CID:** 135444382

**Synonym:** 374913-63-0;

2-((7-Methoxy-4-methylquinazolin-2-yl)amino)-5,6-dimethylpyrimidin-4(3H)-one;

2-[(7-Methoxy-4-methylquinazolin-2-yl)amino]-4,5-dimethyl-1H-pyrimidin-6-one



**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

|                          |  |
|--------------------------|--|
| <b>Description</b>       | Madrasin, soluble in DMSO and ethanol and insoluble in water, is a potent and cell-penetrant splicing inhibitor. The molecular weight of the compound is 311.34, and its molecular formula is $C_{16}H_{17}N_5O_2$ . |
| <b>Molecular Weight</b>  | 311.34   |
| <b>Molecular Formula</b> | $C_{16}H_{17}N_5O_2$   |
| <b>IUPAC Name</b>        | 2-[(7-Methoxy-4-methylquinazolin-2-yl)amino]-4,5-dimethyl-1H-pyrimidin-6-one   |
| <b>InChI</b>             | InChI=1S/C16H17N5O2/c1-8-9(2)17-16(20-14(8)22)21-15-18-10(3)12-6-5-11(23-4)7-13(12)19-15/h5-7H,1-4H3,(H2,17,18,19,20,21,22)  |
| <b>InChI Key</b>         | QQJIYKXTEMDJFM-UHFFFAOYSA-N  |
| <b>Canonical SMILES</b>  | <chem>CC1=C(N=C(NC1=O)NC2=NC(=C3C=CC(=CC3=N2)OC)C)C</chem>   |
| <b>Isomeric SMILES</b>   | <chem>CC(C)(CO)[C@H](C(=O)NCCCCO)O</chem>  |
| <b>Form</b>              | Lyophilized powder   |
| <b>Purity</b>            | $\geq 98\%$  |
| <b>Impurities</b>        | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.   |
| <b>Solubility</b>        | <i>In vitro</i> : DMSO: 1 mg/mL (3.21 mM); Water: insoluble; Ethanol: 3 mg/mL (9.63 mM)  |
| <b>Identity</b>          | Confirmed by NMR/HPLC/MS.  |
| <b>Stability</b>         | In its lyophilized form, the chemical remains stable for 36 months.  |
| <b>Quality Level</b>     | Research grade   |
| <b>Applications</b>      | Madrasin can be used for its anti-inflammatory properties.   |
| <b>Storage</b>           | Store at $-20^{\circ}\text{C}$ , and keep desiccated.  |



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