

## AZD8055, mTOR kinase inhibitor

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Catalog	Unit
TBI4816-10MG	10 mg
TBI4816-50MG	50 mg

### Product Details

**Formal Name:** (5-(2,4-bis((3S)-3-methylmorpholin-4-yl)pyrido(2,3-d)pyrimidin-7-yl)-2-methoxyphenyl)methanol

**Molecular Formula:** C<sub>25</sub>H<sub>31</sub>N<sub>5</sub>O<sub>4</sub>

**Formula Weight:** 465.54

**CAS Number:** 1009298-09-2

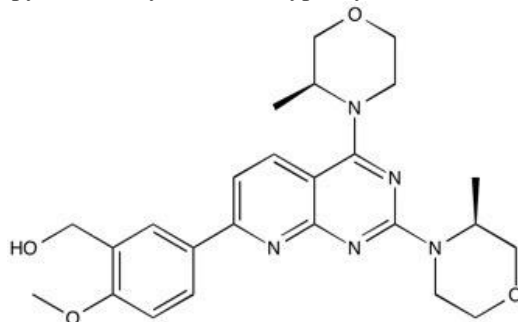
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 30 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

mTOR kinase inhibitor

### Functions

AZD8055 is a potent and highly selective inhibitor of mammalian target of rapamycin kinase (mTOR) kinase (IC<sub>50</sub> = 0.8 nM). mTOR acts as a nutrient/energy/redox sensor and a controller of protein synthesis – as such it is a very important target for cancer research. It has been investigated as a potential chemotherapeutic for various cancers.

### Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

**For research use only.**