

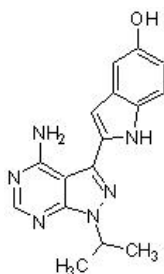
Product datasheet

PP242, mTOR inhibitor ab141405

[1 References](#) [1 Image](#)

Overview

Product name	PP242, mTOR inhibitor
Description	Potent, selective and ATP-competitive mTOR inhibitor
Biological description	Potent, selective and ATP-competitive mTOR inhibitor ($IC_{50} = 8 \text{ nM}$). Inhibits both mTORC1 and mTORC2. Activates ERK via TORC1/eIF-4E/RAF pathway in cancer cells. Selective for mTOR over PI3K family kinases (IC_{50} values are 0.1 (p110 γ), 0.41 (DNA-PK), 1.27 (p110 δ), 1.96 (p110 α) and 2.2 (p110 β) μM). Anticancer agent. Active <i>in vivo</i> and <i>in vitro</i> .
Purity	> 98%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 1658 PP242. 1658-1 is the same size as the 1 mg size of ab141405.
CAS Number	1092351-67-1
Chemical structure	



Properties

Chemical name	(2E)-2-(4-Amino-1-propan-2-yl-2H-pyrazolo[3,4-d]pyrimidin-3-ylidene)indol-5-ol
Molecular weight	308.34
Molecular formula	C ₁₆ H ₁₆ N ₆ O
PubChem identifier	25243800
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and

prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

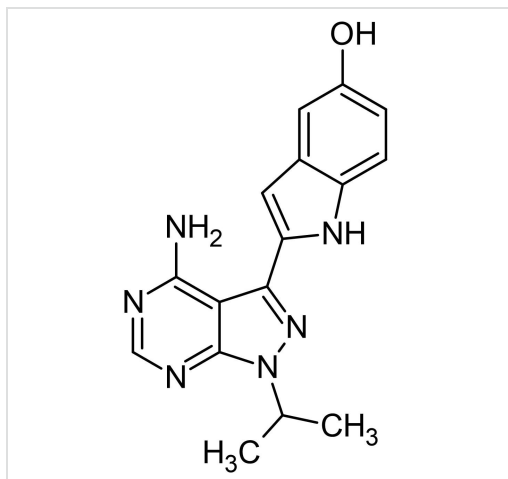
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CC(C)N1C2=C(C(=C3C=C4C=C(CC4=N3)O)N1)C(=NC=N2)N

Source

Synthetic

Images



2D chemical structure image of ab141405, PP242, mTOR inhibitor

Chemical Structure - PP242, mTOR inhibitor
(ab141405)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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