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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PP242

Catalog #: 27063

Lot #: 170410

Size: 10 mg

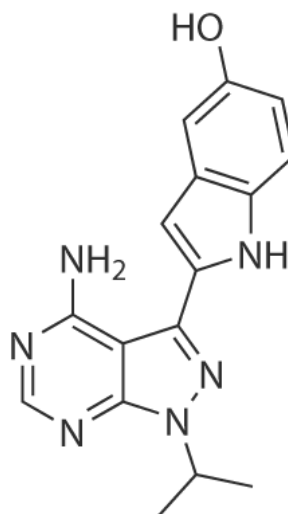
Structure:

CAS Registry #: 1092351-67-1

Purity: ≥99%

Chemical Formula: C₁₆H₁₆N₆O

Molecular Weight: 308.3 Da



Description: PP242 is an inhibitor at the kinase domain of the mammalian target of rapamycin (mTOR), which is a Ser/Thr kinase and a cell growth controller. PP242 inhibits mTORC1 more effectively than rapamycin. Unlike rapamycin, PP242 inhibits both mTORC1 and mTORC2 with IC₅₀ values of 0.03 and 0.058 μM, respectively and it can inhibit cap-dependent translation. PP242 functions by blocking the phosphorylation of Akt at S473 and preventing mTOR activation. PP242 exhibits IC₅₀ values for other kinases of 0.11 μM (JAK2), 0.41 μM (DNAPK), 0.05 μM (PKC?), 0.2 μM (PKCβ I and II), 4.4 μM (EGFR), and 1.5 μM (VEGFR2).

Appearance: White to off-white solid

Solubility: Soluble in DMSO

Storage/Stability: Store at or below -20°C. Solid form is stable at least 12 months from date of receipt, when stored as directed. Do not store aqueous solutions for more than one day.

Reference:

1. Feldman, M.E., et al. PLoS Biol. 7: 371-383 (2009).