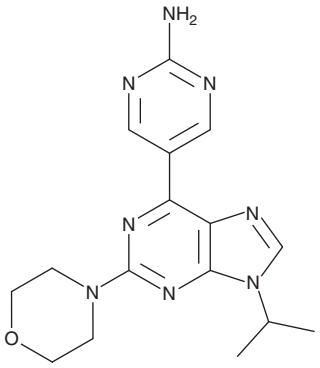
PRODUCT INFORMATION

VS-5584 analog

Item No. 30324



CAS Registry No.:	1246535-95-4
Formal Name:	5-[9-(1-methylethyl)-2-(4-morpholinyl)-9H-purin-6-yl]-2-pyrimidinamine
MF:	$C_{16}H_{20}N_8O$
FW:	340.4
Purity:	≥98%
UV/Vis.:	λ_{max}: 239, 289, 354 nm
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

VS-5584 analog is supplied as a solid. A stock solution may be made by dissolving the VS-5584 analog in the solvent of choice, which should be purged with an inert gas. VS-5584 analog is soluble in the organic solvent chloroform at a concentration of approximately 0.5 mg/ml.

Description

VS-5584 analog is a dual inhibitor of PI3Kα and mammalian target of rapamycin (mTOR; IC_{50}s = 17 and 150 nM, respectively).[1] It is a desmethyl analog of the dual PI3K/mTOR inhibitor VS-5584 (Item No. 16294).

Reference

1. Poulsen, A., Nagaraj, H., Lee, A., *et al.* Structure and ligand-based design of mTOR and PI3-kinase inhibitors leading to the clinical candidates VS-5584 (SB2343) and SB2602. *J. Chem. Inf. Model* **54(11)**, 3238-3250 (2014).

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