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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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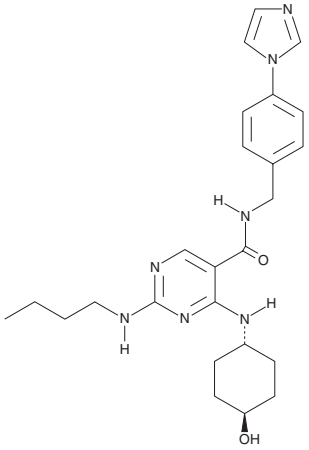
PRODUCT INFORMATION

UNC2881

Item No. 29012



CAS Registry No.:	1493764-08-1
Formal Name:	2-(butylamino)-4-[(*trans*-4-hydroxycyclohexyl)amino]-N-[[4-(1H-imidazol-1-yl)phenyl]methyl]-5-pyrimidinecarboxamide
MF:	$C_{25}H_{33}N_7O_2$
FW:	463.6
Purity:	≥98%
UV/Vis.:	λ_{max}: 232, 263, 309 nm
Supplied as:	A crystalline 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

UNC2881 is supplied as a crystalline solid. A stock solution may be made by dissolving the UNC2881 in the solvent of choice, which should be purged with an inert gas. UNC2881 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of UNC2881 in ethanol is approximately 1 mg/ml and approximately 30 mg/ml in DMSO and DMF.

UNC2881 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, UNC2881 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. UNC2881 has a solubility of approximately 0.25 mg/ml in a 1:3 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

UNC2881 is an inhibitor of Mer (IC_{50} = 4.3 nM), a member of the TAM family of receptor tyrosine kinases.[1] It is selective for Mer over the remaining TAM family members Axl and TYRO3 (IC_{50}s = 360 and 250 nM, respectively). UNC2881 inhibits phosphorylation of Mer in 697 B-ALL acute lymphoblastic leukemia cells (IC_{50} = 21.9 nM). It inhibits platelet aggregation and ATP release induced by type I equine fibrillar collagen in isolated human platelet-rich plasma when used at a concentration of 3 µM.

Reference

1. Zhang, W., McIver, A.L., Stashko, M.A., *et al.* Discovery of Mer specific tyrosine kinase inhibitors for the treatment and prevention of thrombosis. *J. Med. Chem.* **56(23),** 9693-9700 (2013).

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