

Product Name: RP 001 hydrochloride

Catalog No.: 4289

Batch No.: 1

CAS Number: 1781880-34-9

IUPAC Name: *N*-[4-[5-[3-Cyano-4-(1-methylethoxy)phenyl]-1,2,4-oxadiazol-3-yl]-2,3-dihydro-1*H*-inden-1-yl]-β-alanine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₄H₂₄N₄O₄.HCl

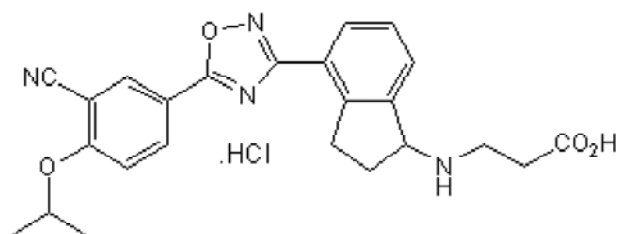
Batch Molecular Weight: 468.93

Physical Appearance: Off-white solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Dichloromethane:Methanol:Ammonia soln. [80:18:2])

HPLC: Shows 99.3% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.47	5.37	11.95
Found	61.49	5.4	11.86

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956

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Description:

Potent agonist of S1P₁ receptors (EC₅₀ = 9 pM). Induces internalization and polyubiquitination of S1P₁ in vitro. Selective for S1P₁ over S1P₂ - S1P₄.

Physical and Chemical Properties:

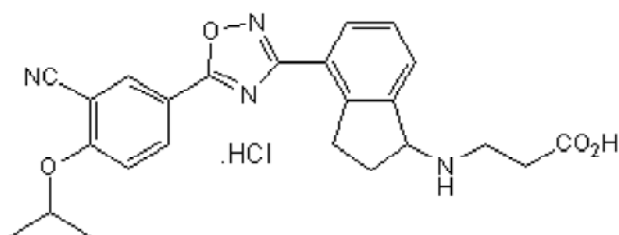
Batch Molecular Formula: C₂₄H₂₄N₄O₄.HCl

Batch Molecular Weight: 468.93

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Cahalan et al (2011) Actions of a picomolar short-acting S1P₁ agonist in S1P₁-eGFP knock-in mice. *Nat.Chem.Biol.* 7 254. PMID: 21445057.

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info@bio-techne.com

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