

G-5555 hydrochloride (1648863-90-4 free base)

Chemical Properties

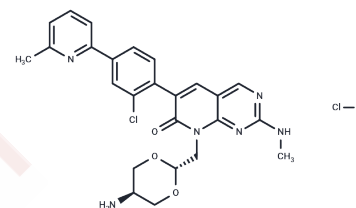
CAS No. :

Formula: C₂₅H₂₆Cl₂N₆O₃

Molecular Weight: 529.42

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	G-5555 hydrochloride is a potent and selective p21-activated kinase 1 (PAK1) inhibitor with a K _i of 3.7 nM.
Targets(IC ₅₀)	PAK

Solubility Information

Solubility	DMSO: 100 mg/mL (188.89 mM), Sonication is recommended. H ₂ O: 16.67 mg/mL (31.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8889 mL	9.4443 mL	18.8886 mL
5 mM	0.3778 mL	1.8889 mL	3.7777 mL
10 mM	0.1889 mL	0.9444 mL	1.8889 mL
50 mM	0.0378 mL	0.1889 mL	0.3778 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Ndubaku CO, et al. Design of Selective PAK1 Inhibitor G-5555: Improving Properties by Employing an Unorthodox Low-pK a Polar Moiety. ACS Med Chem Lett. 2015 Oct 31;6(12):1241-6.

Rudolph J, et al. Chemically Diverse Group I p21-Activated Kinase (PAK) Inhibitors Impart Acute Cardiovascular Toxicity with a Narrow Therapeutic Window. J Med Chem. 2016 Jun 9;59(11):5520-41.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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