

PF 03716556

## Chemical Properties

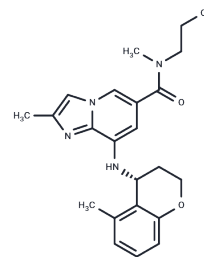
CAS No. : 928774-43-0

Formula: C<sub>22</sub>H<sub>26</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 394.47

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

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	PF 03716556 (PF-3716556), an effective and specific P-CAB (potassium-competitive acid blocker), is utilized for the treatment of gastroesophageal reflux disease.
Targets(IC50)	ATPase, Proton pump
In vitro	PF 03716556 is highly selective for H <sup>+</sup> (pIC <sub>50</sub> =6.026), K <sup>+</sup> -ATPase (pIC <sub>50</sub> =7.095).
In vivo	PF 03716556 is highly selective for H <sup>+</sup> (pIC <sub>50</sub> =6.026), K <sup>+</sup> -ATPase (pIC <sub>50</sub> =7.095).

## Solubility Information

Solubility	DMSO: 39.5 mg/mL (100.13 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	2.535 mL	12.6752 mL	25.3505 mL
5 mM	0.507 mL	2.535 mL	5.0701 mL
10 mM	0.2535 mL	1.2675 mL	2.535 mL
50 mM	0.0507 mL	0.2535 mL	0.507 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mori H, et al. J Pharmacol Exp Ther, 2009, 328(2), 671-679.

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