

PF-610355 HCl

## Chemical Properties

CAS No. :

Formula: C<sub>19</sub>H<sub>22</sub>ClN<sub>7</sub>O<sub>6</sub>

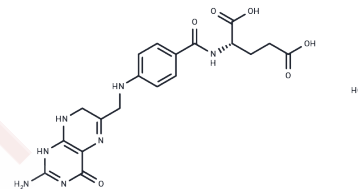
Molecular Weight: 479.87

Storage:

Store at low temperature, Keep away from direct sunlight

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-610355 HCl is a selective and potent $\beta$ 2-adrenergic receptor agonist, a bronchodilator, and is used in the study of asthma and chronic obstructive pulmonary disease.
Targets(IC50)	Adrenergic Receptor
In vivo	PF-610355 HCl is a once-daily, long-acting inhaled $\beta$ 2-adrenoceptor agonist. Oral bioavailability is limited due to low intestinal absorption and high first-pass metabolism, and further studies are warranted. The short half-life of PF-610355 HCl (Clint = 33 ( $\mu$ L/min)/mg) suggests an unconjugated intrinsic clearance of more than 10,000 (mL/min)/kg. Overall, PF-610355 HCl demonstrates desirable inhalant pharmacokinetic properties. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0839 mL	10.4195 mL	20.839 mL
5 mM	0.4168 mL	2.0839 mL	4.1678 mL
10 mM	0.2084 mL	1.0419 mL	2.0839 mL
50 mM	0.0417 mL	0.2084 mL	0.4168 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

Glossop PA, et al. Inhalation by design: novel ultra-long-acting  $\beta(2)$ -adrenoreceptor agonists for inhaled once-daily treatment of asthma and chronic obstructive pulmonary disease that utilize a sulfonamide agonist headgroup. J Med Chem. 2010 Sep 23;53(18):6640-52.

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