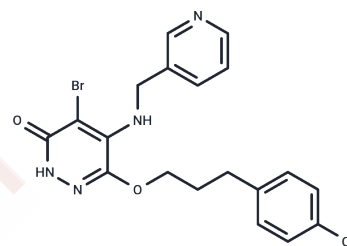


## Parogrelil Free Base

## Chemical Properties

CAS No. :	139145-27-0
Formula:	C <sub>19</sub> H <sub>18</sub> BrClN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	449.73
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	Parogrelil Free Base (NM-702 Free Base) is a selective phosphodiesterase 3 inhibitor with bronchodilatory and anti-inflammatory effects, inhibits leukotriene (LT)D(4) and histamine-induced constriction of isolated guinea pig tracheal strips, and can be used in the study of bronchial asthma.
Targets(IC50)	Leukotriene Receptor, PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2236 mL	11.1178 mL	22.2356 mL
5 mM	0.4447 mL	2.2236 mL	4.4471 mL
10 mM	0.2224 mL	1.1118 mL	2.2236 mL
50 mM	0.0445 mL	0.2224 mL	0.4447 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

Hori M, et al. NT-702 (parogrelil hydrochloride, NM-702), a novel and potent phosphodiesterase 3 inhibitor, suppress the asthmatic response in guinea pigs, with both bronchodilating and anti-inflammatory effects. Eur J Pharmacol. 2009 Sep 15;618(1-3):63-9.

Ishiwata N, et al. NT-702 (parogrelil hydrochloride, NM-702), a novel and potent phosphodiesterase inhibitor, improves reduced walking distance and lowered hindlimb plantar surface temperature in a rat experimental intermittent claudication model. Life Sci. 2007 Sep 1;81(12):970-8.

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