

PL553

## Chemical Properties

CAS No. : 1456872-74-4

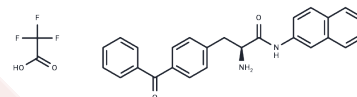
Formula: C<sub>28</sub>H<sub>23</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight: 508.49

Keep away from direct sunlight

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	PL553 is a specific and high-affinity fluorogenic substrate of Leukotriene A4 hydrolase [ $\lambda_{\text{max}}$ : 210 nm; $\lambda_{\text{em}}$ : 410 nm].
Targets(IC50)	Others
In vitro	PL553 is a better LTA4H substrate than (l)-Ala- $\beta$ -naphthylamide, and resistant to cleavage by other aminopeptidases, but can be cleaved by FAAH.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9666 mL	9.833 mL	19.6661 mL
5 mM	0.3933 mL	1.9666 mL	3.9332 mL
10 mM	0.1967 mL	0.9833 mL	1.9666 mL
50 mM	0.0393 mL	0.1967 mL	0.3933 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

Poras H, et al. A sensitive fluorogenic substrate for selective in vitro and in vivo assay of leukotriene A4 hydrolase activity. Anal Biochem. 2013 Oct 15;441(2):152-61.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481