

# PL553

Catalog No: tcsc0035408



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg



## Specifications

**CAS No:**

1456872-74-4

**Formula:**

$C_{28}H_{23}F_3N_2O_4$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

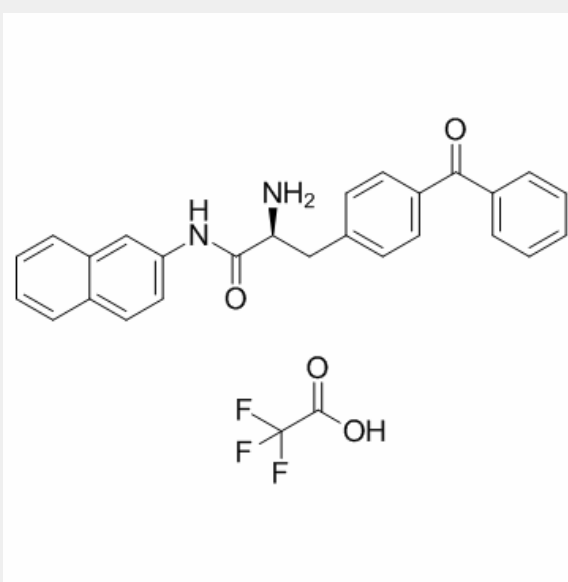
508.49

## Product Description

PL553 is a specific and high-affinity fluorogenic substrate of Leukotriene A4 hydrolase, with a  $\lambda_{\max}$  of 210 nm and  $\lambda_{\text{em}}$  of 410 nm.

***In Vitro:*** PL553 is a specific and high-affinity fluorogenic substrate of Leukotriene A4 hydrolase (LTA4H), with a maximum absorption

( $\lambda_{\text{max}}$ ) of 210 nm and maximum emission ( $\lambda_{\text{em}}$ ) of 410 nm. PL553 is a better LTA4H substrate than (l)-Ala- $\beta$ -naphthylamide, and resistant to cleavage by other aminopeptidases, but can be cleaved by FAAH. PL553 (40  $\mu\text{M}$ ) is used to evaluate the potencies of known inhibitors toward LTA4H<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!