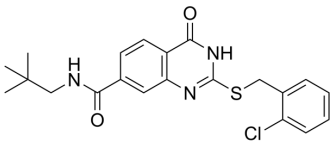
sEH inhibitor-12

Cat. No.:	HY-151619
Molecular Formula:	$C_{21}H_{22}ClN_3O_2S$
Molecular Weight:	415.94
Target:	Epoxide Hydrolase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	sEH inhibitor-12 (compound 34) is a sEH inhibitor with an IC_{50} value of 0.7 μM. sEH inhibitor-12 inhibits the 5-lipoxygenase-activating protein (FLAP)-mediated leukotriene (LT) biosynthesis with an IC_{50} value of 2.9 μM. sEH inhibitor-12 can be used for the research of inflammation[1].
IC_{50} & Target	IC50: 0.7 μM (sEH), 2.9 μM (FLAP-mediated LT biosynthesis)[1]
In Vitro	sEH inhibitor-12 (0-10 μM; 10 min) inhibits sEH activity with an IC_{50} value of 0.7 μM[1]. sEH inhibitor-12 (0-10 μM) inhibits FLAP-mediated cellular LT formation with an IC_{50} value of 2.9 μM[1]. sEH inhibitor-12 (15 min) remains the activity of 5-lipoxygenase (5-LO) product formation in neutrophils with 84.5% and 4.5% at doses of 1 and 10 μM, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Turanlı S, et al. Quinazoline-4(3H)-one-7-carboxamide Derivatives as Human Soluble Epoxide Hydrolase Inhibitors with Developable 5-Lipoxygenase Activating Protein Inhibition. ACS Omega. 2022 Oct 5;7(41):36354-36365.

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