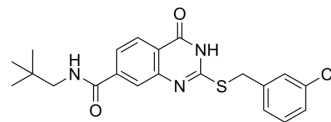


## sEH inhibitor-11

Cat. No.:	HY-151617
Molecular Formula:	C <sub>21</sub> H <sub>22</sub> ClN <sub>3</sub> O <sub>2</sub> S
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

<b>Description</b>	sEH inhibitor-11 (compound 35) is a sEH inhibitor with an IC <sub>50</sub> value of 0.3 μM. sEH inhibitor-11 can be used for the research of inflammation <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 0.3 μM (sEH) <sup>[1]</sup>
<b>In Vitro</b>	<p>sEH inhibitor-11 (0-10 μM; 10 min) inhibits sEH activity with an IC<sub>50</sub> value of 0.3 μM<sup>[1]</sup>.</p> <p>sEH inhibitor-11 (0-10 μM) inhibits 5-lipoxygenase-activating protein (FLAP)-mediated cellular leukotriene (LT) formation with an IC<sub>50</sub> value of 10 μM<sup>[1]</sup>.</p> <p>sEH inhibitor-11 (15 min) remains the activity of 5-lipoxygenase (5-LO) product formation in neutrophils with 93.5% and 62.1% at doses of 1 and 10 μM, respectively<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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