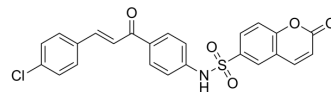


## GSTP1-1 inhibitor 2

Cat. No.:	HY-169058
Molecular Formula:	C <sub>24</sub> H <sub>16</sub> ClNO <sub>5</sub> S
Molecular Weight:	465.91
Target:	Glutathione S-transferase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

GSTP1-1 inhibitor 2 (Compound 5g) is an hGSTP1-1 (glutathione S-transferase P1-1) inhibitor with an IC<sub>50</sub> value of 12.2 μM. GSTP1-1 inhibitor 2 exhibits significant cytotoxicity against DU-145, PC3, and MCF-7 cell lines, with CC<sub>50</sub> values of 36.6 μM, 11.9 μM, and 17.4 μM, respectively. It can be used in cancer research<sup>[1]</sup>.

### REFERENCES

[1]. Sabt A, et al. Novel coumarin-6-sulfonamide-chalcone hybrids as glutathione transferase P1-1 inhibitors. PLoS One. 2024 Aug 14;19(8):e0306124.

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

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