



Product Information

Gutathione S-transferase inhibitor GSTO1-IN-1, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ814

Size: 10 mg; 25 mg; 50 mg; 100 mg

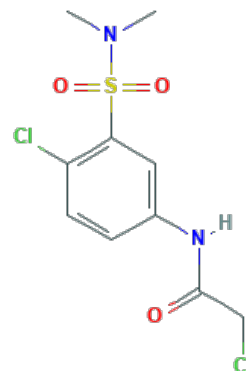
MDL: MFCD03965279

CAS Number: 568544-03-6

Compound CID: 3860347

Synonym: 568544-03-6; Gutathione S-transferase inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	GSTO1-IN-1 targets and inhibits the function of GST enzymes, which play a crucial role in detoxifying harmful substances and are often implicated in drug resistance within cancer therapies.
Molecular Weight	311.18
Molecular Formula	C ₁₀ H ₁₂ Cl ₂ N ₂ O ₃ S
IUPAC Name	2-Chloro-N-[4-chloro-3-(dimethylsulfamoyl)phenyl]acetamide
InChI	InChI=1S/C10H12Cl2N2O3S/c1-14(2)18(16,17)9-5-7(3-4-8(9)12)13-10(15)6-11/h3-5H,6H2,1-2H3,(H,13,15)
InChI Key	YEHYODCKTNLFQU-UHFFFAOYSA-N
Canonical SMILES	CN(C)S(=O)(=O)C1=C(C=CC(=C1)NC(=O)CCl)Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	GSTO1-IN-1 is employed in research to inhibit GSTO1, a glutathione S-transferase omega enzyme linked to detoxification processes and oxidative stress management.
Storage	Store at -20°C, and keep desiccated.