

Product Information

Monocarboxylate transporters (MCT) inhibitor BAY-8002, Purity ≥98%

Cat. No.: X24-07-ZQ550

Size: 5 mg; 10 mg; 50 mg; 100 mg

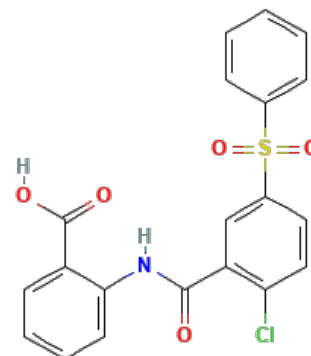
CAS Number: 724440-27-1

Compound CID: 992293

Synonym: 724440-27-1; Monocarboxylate transporters (MCT) inhibitor; BAY8002;

BAY 8002

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



Product Information

Description	BAY-8002, soluble in DMSO and ethanol and insoluble in water, hinders the transport of lactate and other monocarboxylates across cell membranes, which is crucial for altering metabolic activities in various diseases, including cancer.
Molecular Weight	415.85
Molecular Formula	C ₂₀ H ₁₄ ClNO ₅ S
IUPAC Name	2-[[5-(Benzenesulfonyl)-2-chlorobenzoyl]amino]benzoic acid
InChI	InChI=1S/C20H14ClNO5S/c21-17-11-10-14(28(26,27)13-6-2-1-3-7-13)12-16(17)19(23)22-18-9-5-4-8-15(18)20(24)25/h1-12H,(H,22,23)(H,24,25)
InChI Key	CLAUJSRBKSRTGQ-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)S(=O)(=O)C2=CC(=C(C=C2)Cl)C(=O)NC3=CC=CC=C3C(=O)O
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 73 mg/mL (175.54 mM); Water: Insoluble; Ethanol: 25 mg/mL (60.12 mM)
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	BAY-8002 is a monocarboxylate transporters (MCT) inhibitor used in cancer research to explore its effects on tumor metabolism and growth.
Storage	Store at -20°C, and keep desiccated.



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