

Product Information

ACLY inhibitor, BMS303141, Purity ≥98%

Cat. No.: X24-09-YM560

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

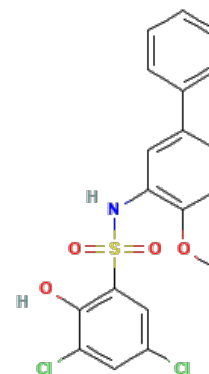
MDL: MFCD25976797

CAS Number: 943962-47-8

Compound CID: 16747776

Synonym: 943962-47-8; BMS 303141; BMS-303141;

3,5-Dichloro-2-hydroxy-*N*-(2-methoxy-5-phenylphenyl)benzenesulfonamide; ACLY inhibitor



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

Product Information

Description	BMS303141, soluble in DMSO and insoluble in water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting ACLY. The molecular weight of the compound is 424.3, and its molecular formula is C ₁₉ H ₁₅ Cl ₂ NO ₄ S.
Molecular Weight	424.3
Molecular Formula	C ₁₉ H ₁₅ Cl ₂ NO ₄ S
IUPAC Name	3,5-Dichloro-2-hydroxy- <i>N</i> -(2-methoxy-5-phenylphenyl)benzenesulfonamide
InChI	InChI=1S/C19H15Cl2NO4S/c1-26-17-8-7-13(12-5-3-2-4-6-12)9-16(17)22-27(24,25)18-11-14(20)10-15(21)19(18)23/h2-11,22-23H,1H3
InChI Key	SIIPNDKXZOTLEA-UHFFFAOYSA-N
Canonical SMILES	COC1=C(C=C(C=C1)C2=CC=CC=C2)NS(=O)(=O)C3=C(C(=CC(=C3)Cl)Cl)O
Isomeric SMILES	CCCCCCCCC[C@@H](C[C@H]1[C@@H](C(=O)O1)CCCCC)OC(=O)[C@H](CC(C)C)NC=O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 73 mg/mL (172.04 mM); Water: insoluble; Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	BMS303141 can be studied extensively for its potential therapeutic applications in the treatment of



diabetes and inflammatory diseases.

Storage

Store at -20°C, and keep desiccated.
