

Product Information

Sulisobenzene, Purity $\geq 98\%$

Cat. No.: X24-09-YM1397

Size: 1 g; 2 g; 5 g; 10 g

MDL: MFCD00024962

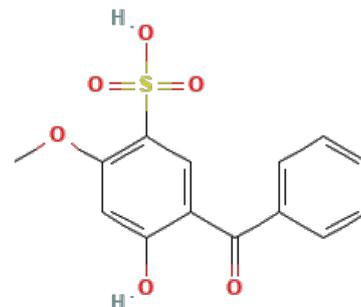
CAS Number: 4065-45-6

Compound CID: 19988

Synonym: 4065-45-6; Benzophenone-4;

5-Benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid

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



Product Information

Description	Sulisobenzene, soluble in DMSO, water, and ethanol, is an ingredient in some sunscreens. The molecular weight of the compound is 308.3, and its molecular formula is C ₁₄ H ₁₂ O ₆ S.
Molecular Weight	308.3
Molecular Formula	C ₁₄ H ₁₂ O ₆ S
IUPAC Name	5-Benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid
InChI	InChI=1S/C14H12O6S/c1-20-12-8-11(15)10(7-13(12)21(17,18)19)14(16)9-5-3-2-4-6-9/h2-8,15H,1H3,(H,17,18,19)
InChI Key	CXVGEDCSTKKODG-UHFFFAOYSA-N
Canonical SMILES	COC1=C(C=C(C(=C1)O)C(=O)C2=CC=CC=C2)S(=O)(=O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 55 mg/mL (178.39 mM); Water: 55 mg/mL (178.39 mM); Ethanol: 55 mg/mL (178.39 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Sulisobenzene plays a key role in protecting the skin from damage.
Storage	Store at -20°C, and keep desiccated.

