



Product Information

Antifection inhibitor Dapson, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ048

Size: 1 g; 2 g; 5 g

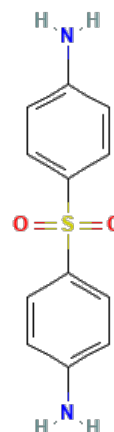
MDL: MFCD00007887

CAS Number: 80-08-0

Compound CID: 2955

Synonym: 80-08-0; Antifection inhibitor; Diphenylsulfone

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



Product Information

Description	Dapson, soluble in DMSO and ethanol and insoluble in water, has strong immunosuppressant properties.
Molecular Weight	248.3
Molecular Formula	C ₁₂ H ₁₂ N ₂ O ₂ S
IUPAC Name	4-(4-Aminophenyl)sulfonylaniline
InChI	InChI=1S/C12H12N2O2S/c13-9-1-5-11(6-2-9)17(15,16)12-7-3-10(14)4-8-12/h1-8H,13-14H2
InChI Key	MQJKPEGWNLWLTU-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=CC=C1N)S(=O)(=O)C2=CC=C(C=C2)N
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 45 mg/mL (181.23 mM); Water: Insoluble; Ethanol: 9 mg/mL
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	Dapsone is applied in studies as an anti-inflammatory and antimicrobial agent, primarily in the context of treating leprosy, dermatitis herpetiformis, and certain types of pneumonia in immunocompromised patients.
Storage	Store at -20°C, and keep desiccated.