

Product Datasheet

Alizarin (orb1304810)

Catalog Number	orb1304810
Category	Small Molecules
Description	Alizarin (Mordant Red 11), a natural anthraquinone from madder root, acts as a cytochrome P450 inhibitor with selectivity for CYP1B1 (IC50=2.7 μM) over CYP1A1 and CYP1A2. It is utilized in biochemical research to study the role of these enzymes in xenobiotic metabolism and carcinogenesis in vitro.
Target	NF-κB,Cytochromes P450,PI3K,VEGFR,AMPK,Akt
Purity	99.79% (May vary between batches)
MW	240.21
Target Areas	PI3K AMPK Cytochromes P450 Akt NF-κB VEGFR
Solubility (25°C)	H2O: 1 mg/mL (insoluble or slightly soluble);Ethanol: 1 mg/mL (insoluble or slightly soluble);DMSO:31.6 mg/mL (131.55 mM)
CAS Number	72-48-0
Formula	C ₁₄ H ₈ O ₄
SMILES	OC1=C(O)C2=C(C=C1)C(=O)C1=CC=CC=C1C2=O
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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