

Product Information

(±)-Maackiain

Cat. No.: X23-04-XQ278

Size: 20 mg; 50 mg; 100 mg; 200 mg

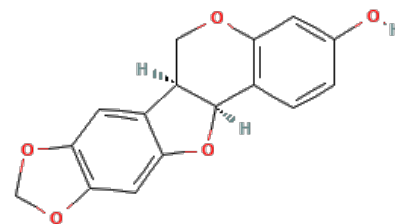
MDL: MFCD02113824

CAS Number: 19908-48-6

Compound CID: 161298

Synonym: 19908-48-6; (+)-Maackiain; Maackiain; Demethylpterocarpin

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



Product Information

Description	(±)-Maackiain is an antimicrobial compound that has anticancer effects, it induces apoptosis and growth suppression.
Molecular Weight	284.26
Molecular Formula	C ₁₆ H ₁₂ O ₅
IUPAC Name	(1S,12S)-5,7,11,19-Tetraoxapentacyclo[10.8.0.02,10.04,8.013,18]jicosa-2,4(8),9,13(18),14,16-hexaen-16-ol
InChI	InChI=1S/C16H12O5/c17-8-1-2-9-12(3-8)18-6-11-10-4-14-15(20-7-19-14)5-13(10)21-16(9)11/h1-5,11,16-17H,6-7H2/t11-,16-/m1/s1
InChI Key	HUKSJTUUSUGIDC-BDJLRTHQSA-N
Canonical SMILES	C1C2C(C3=C(O1)C=C(C=C3)O)OC4=CC5=C(C=C24)OCO5
Isomeric SMILES	C1[C@H]2[C@@H](C3=C(O1)C=C(C=C3)O)OC4=CC5=C(C=C24)OCO5
Source	The root of <i>legume locust</i>
Form	Colorless needle crystals
Purity	>98%, determined by HPLC.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	180-182°C
Applications	(±)-Maackiain can be used for antifungal and larvicidal activity experiments, etc.
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
