

Product Information

Triptolide

Cat. No.: X23-04-XQ514

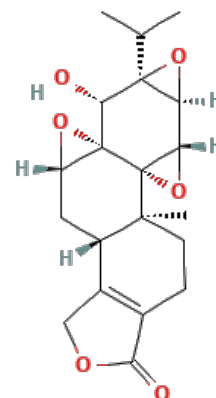
Size: 20 mg; 50 mg; 100 mg; 200 mg

CAS Number: 38748-32-2

Compound CID: 107985

Synonym: 38748-32-2; Triptolide; Triptolid

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



Product Information

Description	Triptolide is a diterpene triepoxide, an immunosuppressive agent extracted from the Chinese herb <i>Tripterygium wilfordii</i> .
Molecular Formula	C ₂₀ H ₂₄ O ₆
IUPAC Name	(1S,2S,4S,5S,7R,8R,9S,11S,13S)-8-Hydroxy-1-methyl-7-propan-2-yl-3,6,10,16-tetraoxaheptacyclo[11.7.0.0.2,4.0.2,9.0.5,7.0.9,11.0.14,18]icos-14(18)-en-17-one
InChI	InChI=1S/C20H24O6/c1-8(2)18-13(25-18)14-20(26-14)17(3)5-4-9-10(7-23-15(9)21)11(17)6-12-19(20,24-12)16(18)22/h8,11-14,16,22H,4-7H2,1-3H3/t11-,12-,13-,14-,16+,17-,18-,19+,20+/m0/s1
InChI Key	DFBIRQPKNDILPW-CIVMWXNOSA-N
Canonical SMILES	CC(C)C12C(O1)C3C4(O3)C5(CCC6=C(C5CC7C4(C2O)O7)COC6=O)C
Isomeric SMILES	CC(C)[C@@]12[C@@H](O1)[C@H]3[C@@]4(O3)[C@]5(CCC6=C([C@@H]5C[C@H]7[C@]4([C@@H]2O)O7)COC6=O)C
Source	Whole or peeled xylem parts of <i>Tripterygium wilfordii</i> of Celastraceae
Form	White or yellowish crystal
Purity	>98%, determined by HPLC.
Solubility	It is soluble in methanol, ethyl acetate, chloroform.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	226-227°C
Applications	Triptolide can be used for anti-oxidation, anti-rheumatoid, anti-senile dementia, and other effect experiments, etc.



Storage

Store at 4°C. Protect from light.

Safety Information

Personal Protective

Gloves, eyeshields, N95 mask

Equipment
