

Product Name : Minnelide

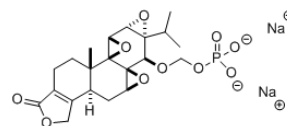
Synonyms : 14-O-phosphonoxymethyltriptolide disodium salt

Cat No. : M11035

CAS Number : 1254702-87-8

Molecular Formula : C₂₁H₂₅Na₂O₁₀P

Formula Weight : 514.37



Chemical Name : sodium (((5bS,6aS,7aR,8R,8aS,9aS,9bS,10aS,10bS)-8a-isopropyl-10b-methyl-3-oxo-1,2,3,5,5b,6,6a,8,8a,9a,9b,10b-dodecahydrotris(oxireno)[2',3':4b,5;2'',3'':6,7;2''',3''':8a,9]phenanthro[1,2-c]furan-8-yl)oxy)methyl phosphate

Description : A water-soluble prodrug of triptolide that is highly effective in reducing pancreatic tumor growth and spread, and improving survival; efficiently downregulates both CD133(-) and CD133(+) population in the tumors, resulting in a 60% decrease in tumor volume; also is very effective as a therapeutic option against Castration Resistant Prostate Cancer (CRPC). Pancreatic Cancer Phase 2

Pathway : NF-κB

Target : TAK1

Receptor : TAK1

Solubility : —

SMILES : CC(C)C12C(O1)C3C4(O3)C5(CCC6=C(C5CC7C4(C2OCOP(=O)([O-])[O-])O7)COC6=O)C.[Na+].[Na+]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Chugh R, et al. Sci Transl Med. 2012 Oct 17;4(156):156ra139. | 2. Banerjee S, et al. Clin Cancer Res. 2014 May 1;20(9):2388-99. | 3. Isharwal S, et al. Prostate. 2017 May;77(6):584-596.