

Product Name : Amonafide

Synonyms : AS1413

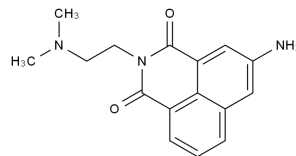
Cat No. : M15655

CAS Number : 69408-81-7

Molecular Formula : C₁₆H₁₇N₃O₂

Formula Weight : 283.33

Chemical Name : 1H-Benz[de]isoquinoline-1,3(2H)-dione, 5-amino-2-[2-(dimethylamino)ethyl]-



Description : A novel topoisomerase II (Topo II) inhibitor and DNA intercalator that induces apoptotic signaling by blocking the binding of Topo II to DNA. Chemotherapeutic Agents Phase 3 Discontinued

Pathway : Cell Cycle/DNA Damage

Target : Topoisomerase

Receptor : TopoII

Solubility : 10 mM in DMSO

SMILES : O=C1N(CCN(C)C)C(C2=CC(N)=CC3=CC=CC1=C23)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Allen SL, et al. Expert Opin Investig Drugs. 2011 Jul;20(7):995-1003. | 2. Zhu H, et al. Mol Cancer Ther. 2007 Feb;6(2):484-95. | 3. Liang X, et al. Mol Cancer Res. 2010 Dec;8(12):1619-32.