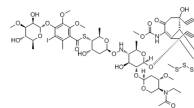


Product Name : N-Acetyl-Calicheamicin
Synonyms : N-Acetyl-Calicheamicin γ; N-Acetyl-γ-calicheamicin
Cat No. : M10325
CAS Number : 108212-76-6
Molecular Formula : C₅₇H₇₆INO₂₂S₄
Formula Weight : 1410.39



Chemical Name : Carbamic acid, [(1R,4Z,8S,13E)-8-[[[2-O-{4-(acetyllethylamino)-2,4-dideoxy-3-O-methyl-α-L-threo-pentopyranosyl]-4,6-dideoxy-4-[[[2,6-dideoxy-4-S-{4-[(6-deoxy-3-O-methyl-α-L-mannopyranosyl)oxy]-3-iodo-5,6-dimethoxy-2-methylbenzoyl]-4-thio-β-D-ribo-hexopyrano

Description : N-Acetyl-Calicheamicin is a enediyne antitumor antibiotic; targets DNA and causes strand scission; a ADC payload in antibody drug conjugates development.

Pathway : GPCR/G Protein

Target : Antibacterial

Receptor : Antibacterial

Solubility : 10 mM in DMSO

SMILES : CCN(C1COC(CC1OC)OC2C(C(C(OC2OC3C#CC=CC#CC4(CC(=O)C(=C3C4=CCSSSC)NC(=O)OC)O)C)NOC5CC(C(C(OC5C)SC(=O)OC6=C(C(=C(C(=C6OC)OC)OC7C(C(C(OC7C)O)OC)O))C)O)O)C(=O)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Stasi R, et al. Cancer Treat Rev. 2008 Feb;34(1):49-60. 2. Naito K, et al. Leukemia. 2000 Aug;14(8):1436-43. 3. Hills RK, et al. Lancet Oncol. 2014 Aug;15(9):986-96.