

Product Name	: Calicheamicin
Synonyms	: Calicheamicin γ1
Cat No.	: M10324
CAS Number	: 108212-75-5
Molecular Formula	: C ₅₅ H ₇₄ IN ₃ O ₂₁ S ₄
Formula Weight	: 1368.35
Chemical Name	: Carbamic acid, N-[(1R,4Z,8S,13E)-8-[[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-hexopyranosyl]oxy]amino]-2-O-[2,4-dideoxy-4-(ethylamino)-3-O-methyl-α-L-threo-pento
Description	: Calicheamicin γ1 is an enediyne antitumor antibiotic that acts by binding to DNA and causes strand scission; ADC payload used in development of antibody drug conjugates.
Pathway	: Antibody Drug Conjugates (ADC)
Target	: ADC Cytotoxin
Receptor	: ADC Cytotoxin
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(S[C@@H]1[C@@H](C)O[C@@H](ON[C@@H]2[C@@H](C)OC(O[C@@H](C#C/C=C/C#C[C@@H]3(O)C4C(/C3=C1CSSSC)=C(NC(OC)=O)C4=O)[C@H](O[C@H]5C[C@H](OC)[C@@H](NCC)CO5)[C@H]2O)C[C@@H]1O)C6=C(OC)C(OC)=C(O[C@@H]7[C@H](O)[C@H](OC)[C@@H](O)[C@H](C)O7)C(I)=C6C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Lambert JM, et al. Adv Ther. 2017 May;34(5):1015-1035.| 2. Guffroy M, et al. Clin Cancer Res. 2017 Apr 1;23(7):1760-1770.| 3. Damelin M, et al. Clin Cancer Res. 2015 Sep 15;21(18):4165-73.