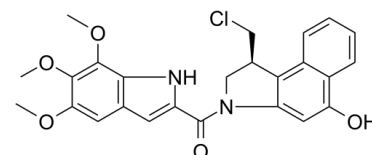


Data Sheet

Product Name:	Duocarmycin TM
Cat. No.:	CS-0029985
CAS No.:	157922-77-5
Molecular Formula:	C ₂₅ H ₂₃ ClN ₂ O ₅
Molecular Weight:	466.91
Target:	ADC Cytotoxin; DNA Alkylator/Crosslinker
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage
Solubility:	DMSO : ≥ 50 mg/mL (107.09 mM); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Duocarmycin TM is an exceptionally potent antitumor antibiotic. Duocarmycin TM is a DNA alkylator.

References:

[1]. Dale L. Boger, et al. Critical Role of the Linking Amide in CC-1065 and the Duocarmycins: Implications on the Source of DNA Alkylation Catalysis. J. Am. Chem. Soc. 1998, 120, 11554-11557.

CAIndexNames:

1H-Benz[e]indol-5-ol, 1-(chloromethyl)-2,3-dihydro-3-[(5,6,7-trimethoxy-1H-indol-2-yl)carbonyl]-, (1S)-

SMILES:

ClC[C@H]1C2=C(C=CC=C3)C3=C(O)C=C2N(C(C4=CC(C=C(OC)C(OC)=C5OC)=C5N4)=O)C1

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA