



Product Information

DNA alkylator inhibitor, Duocarmycin GA, Purity $\geq 98\%$

Cat. No.: X24-08-YM153

Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 1613286-59-1

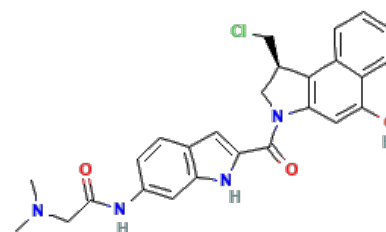
Compound CID: 138911394

Synonym: 1613286-59-1; HY-128873; CS-0101716; *N*-[2-[(1*S*

)-1-(Chlorometh

yl)-5-hydroxy-1,2-dihydrobenzo[

*e]indole-3-carbonyl]-1*H*-indol-6-yl]-2-(dimethylamino)acetamide*



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Duocarmycin GA is an effective DNA damage inhibitor, that has the ability to prevent the pathway of DNA damage by inhibiting DNA alkylator.
Molecular Weight	476.95
Molecular Formula	C ₂₆ H ₂₅ ClN ₄ O ₃
IUPAC Name	<i>N</i> -[2-[(1 <i>S</i>)-1-(Chloromethyl)-5-hydroxy-1,2-dihydrobenzo[<i>e</i>]indole-3-carbonyl]-1 <i>H</i> -indol-6-yl]-2-(dimethylamino)acetamide
InChI	InChI=1S/C26H25ClN4O3/c1-30(2)14-24(33)28-17-8-7-15-9-21(29-20(15)10-17)26(34)31-13-16(12-27)25-19-6-4-3-5-18(19)23(32)11-22(25)31/h3-11,16,29,32H,12-14H2,1-2H3,(H,28,33)/t16-m/s1
InChI Key	KIRMXYXWPGUZLM-MRXNPFEDSA-N
Canonical SMILES	CN(C)CC(=O)NC1=CC2=C(C=C1)C=C(N2)C(=O)N3CC(C4=C3C=C(C5=CC=CC=C54)O)CCI
Isomeric SMILES	CN(C)CC(=O)NC1=CC2=C(C=C1)C=C(N2)C(=O)N3CC[C@H](C4=C3C=C(C5=CC=CC=C54)O)CCI
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Duocarmycin GA is a DNA damage inhibitor that can be used for its ability to cause cross-linking and ultimately lead to cancer cell death.



Storage

Store at -20°C, and keep desiccated.
