CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
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Product Information

DNA alkylator inhibitor, SJG-136, Purity ≥98%

Cat. No.: X24-08-YM159

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 232931-57-6

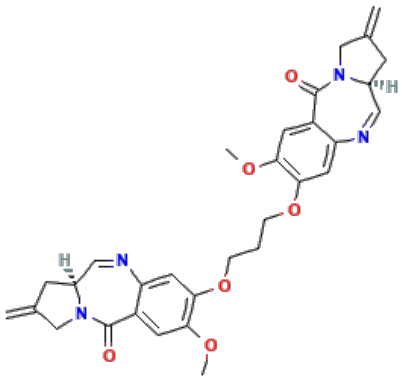
Compound CID: 393111

Synonym: 232931-57-6; NSC-694501;

(6a*S*)-3-[3-[[(6a*S*)-2-Methoxy-8-methylidene-11-*oxo*-7,9-dihydro-6a*H*

-pyrrolo[2,1-c][1,4]benzodiazepin-3-yl]oxy]propoxy]-2-methoxy-8-methylidene-7,9-dihy

dro-6a*H*-pyrrolo[2,1-c][1,4]benzodiazepin-11-one



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

Product Information

Description	SJG-136 is an effective DNA damage inhibitor, that has the ability to prevent the pathway of DNA damage by inhibiting DNA alkylator.
Molecular Weight	556.61
Molecular Formula	$C_{31}H_{32}N_4O_6$
IUPAC Name	(6a*S*)-3-[3-[[(6a*S*)-2-Methoxy-8-methylidene-11-*oxo*-7,9-dihydro-6a*H* -pyrrolo [2,1-c][1,4]benz odiazepin-3-yl]oxy]propoxy]-2- methoxy-8-methylidene-7,9-dihydro-6a*H*-pyrrolo[2,1-c][1,4]benzodiazepin-11-one
InChI	InChI=1S/C31H32N4O6/c1-18-8-20-14-32-24-12-28(26(38-3)10-22(24)30(36)34(20)16-18)40-6-5-7-41-29-13-25-23(11-27(29)39-4)31(37)35-17-19(2)9-21(35)15-33-25/h10-15,20-21H,1-2,5-9,16-17H2,3-4H3/t20-,21-/m0/s1
InChI Key	RWZVMMQNDHPRQD-SFTDATJTSA-N
Canonical SMILES	COC1=C(C=C2C(=C1)C(=O)N3CC(=C)CC3C=N2)OCCCOC4=C(C=C5C(=C4)N=CC6CC(=C)CN6C5=O)OC
Isomeric SMILES	COC1=C(C=C2C(=C1)C(=O)N3CC(=C)C[C@H]3C=N2)OCCCOC4=C(C=C5C(=C4)N=C[C@@H]6CC(=C)CN6C5=O)OC
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects

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Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	SJG-136 is a DNA damage inhibitor that can be used for its ability to selectively target and cross-link DNA in cancer cells, leading to their death.
Storage	Store at -20ºC, and keep desiccated.

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