



Product Information

Topoisomerase inhibitor, MAC glucuronide phenol-linked SN-38, Purity ≥98%

Cat. No.: X24-08-YM058

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

CAS Number: 2246380-69-6

Compound CID: 139035092

Synonym: 2246380-69-6; MS-31951;

(2S,3S,4S,5R,6S)-6-[4-[[[(19S

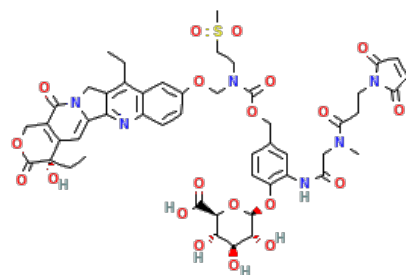
)-10,19-Diethyl-19-hydroxy-14,18-dioxo-17-oxa-3,13-diazapentacyclo[11.8.0.02,11.04,

9.015,20]henicosa-1(21),2,4(9),5,7,10,15(20)-heptaen-7-yl]oxymethyl-(2-methylsulfon

ylethyl)carbamoyl]oxymethyl]-2-[[2-[3-(2,5-dioxopyrrol-1-yl)propanoyl-

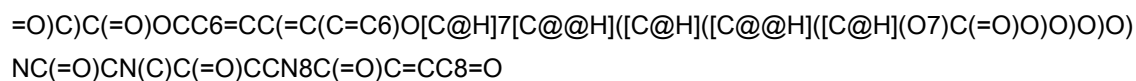
methylamino]acetyl]amino]phenoxy]-3,4,5-trihydroxyoxane-2-carboxylic acid

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



Product Information

Description	MAC glucuronide phenol-linked SN-38 is an effective DNA damage inhibitor, that has the ability to prevent the pathway of DNA damage by inhibiting topoisomerase.
Molecular Weight	1091.06
Molecular Formula	C ₅₀ H ₅₄ N ₆ O ₂₀ S
IUPAC Name	(2S,3S,4S,5R,6S)-6-[4-[[[(19S)-10,19-Diethyl-19-hydroxy-14,18-dioxo-17-oxa-3,13-diazapentacyclo[11.8.0.02,11.04,9.015,20]henicosa-1(21),2,4(9),5,7,10,15(20)-heptaen-7-yl]oxymethyl-(2-methylsulfonylethyl)carbamoyl]oxymethyl]-2-[[2-[3-(2,5-dioxopyrrol-1-yl)propanoyl-methylamino]acetyl]amino]phenoxy]-3,4,5-trihydroxyoxane-2-carboxylic acid
InChI	InChI=1S/C50H54N6O20S/c1-5-27-28-18-26(8-9-32(28)52-40-29(27)20-56-34(40)19-31-30(45(56)64)23-72-48(67)50(31,69)6-2)74-24-54(15-16-77(4,70)71)49(68)73-22-25-7-10-35(75-47-43(63)41(61)42(62)44(76-47)46(65)66)33(17-25)51-36(57)21-53(3)37(58)13-14-55-38(59)11-12-39(55)60/h7-12,17-19,41-44,47,61-63,69H,5-6,13-16,20-24H2,1-4H3,(H,51,57)(H,65,66)/t41-,42-,43+,44-,47+,50-/m0/s1
InChI Key	IKQSTTAUHYHYCV-GVAVQZEZSA-N
Canonical SMILES	CCC1=C2CN3C(=CC4=C(C3=O)COC(=O)C4(CC)O)C2=NC5=C1C=C(C=C5)OCN(CCS(=O)(=O)C)C(=O)OCC6=CC=C(C(C=C6)OC7C(C(C(C(O7)C(=O)O)O)O)O)NC(=O)CN(C)C(=O)CCN8C(=O)C=C8=O
Isomeric SMILES	CCC1=C2CN3C(=CC4=C(C3=O)COC(=O)[C@@]4(CC)O)C2=NC5=C1C=C(C=C5)OCN(CCS(=O)(



Form	Lyophilized powder
Purity	≥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	MAC glucuronide phenol-linked SN-38 is a DNA damage inhibitor that can be used for its ability to improve the pharmacokinetics and targeting of SN-38.
Storage	Store at -20°C, and keep desiccated.