



Product Information

DNA alkylator inhibitor, DC41SMe, Purity $\geq 98\%$

Cat. No.: X24-08-YM156

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

CAS Number: 1354787-71-5

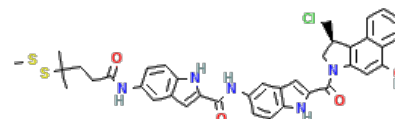
Compound CID: 71456707

Synonym: 1354787-71-5; *N*-[2-[(1*S*

*)-1-(Chloromethyl)-5-hydroxy-1*H*,2*H*,3*H**

*-benzo[*e*]indole-3-carbonyl]-1*H**

*-indol-5-yl]-5-[4-methyl-4-(methyl-disulfanyl)pentanoyl]amino]-1*H*-indole-2-carboxamide*



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

Product Information

Description	DC41SMe is an effective DNA damage inhibitor, that has the ability to prevent the pathway of DNA damage by inhibiting DNA alkylator.
Molecular Weight	726.31
Molecular Formula	C ₃₈ H ₃₆ ClN ₅ O ₄ S ₂
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-5-yl]-5-[4-methyl-4-(methyl-disulfanyl)pentanoyl]amino]-1 <i>H</i> -indole-2-carboxamide
InChI	InChI=1S/C38H36ClN5O4S2/c1-38(2,50-49-3)13-12-34(46)40-24-8-10-28-21(14-24)16-30(42-28)36(47)41-25-9-11-29-22(15-25)17-31(43-29)37(48)44-20-23(19-39)35-27-7-5-4-6-26(27)33(45)18-32(35)44/h4-11,14-18,23,42-43,45H,12-13,19-20H2,1-3H3,(H,40,46)(H,41,47)/t23-/m1/s1
InChI Key	WKBZTEPNMBNGJH-HSZRJFAPSA-N
Canonical SMILES	CC(C)(CCC(=O)NC1=CC2=C(C=C1)NC(=C2)C(=O)NC3=CC4=C(C=C3)NC(=C4)C(=O)N5CC(C6=C5C=C(C7=CC=CC=C76)O)CCI)SSC
Isomeric SMILES	CC(C)(CCC(=O)NC1=CC2=C(C=C1)NC(=C2)C(=O)NC3=CC4=C(C=C3)NC(=C4)C(=O)N5C[C@H](C6=C5C=C(C7=CC=CC=C76)O)CCI)SSC
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	DC41SMe is a DNA damage inhibitor that can be used for its ability to selectively induce DNA damage in cancer cells.
Storage	Store at -20°C, and keep desiccated.
