



Product Information

DNA alkylator inhibitor, DC41, Purity $\geq 98\%$

Cat. No.: X24-08-YM155

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

CAS Number: 1354787-69-1

Compound CID: 56951380

Synonym: 1354787-69-1; DC 41; DC-41;

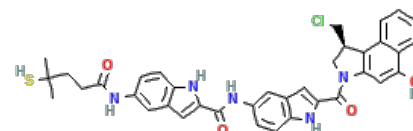
N-[2-[(1*S*

)-1-(Chlorometh

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

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

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



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

Product Information

Description	DC41 is an effective DNA damage inhibitor, that has the ability to prevent the pathway of DNA damage by inhibiting DNA alkylator.
Molecular Weight	680.21
Molecular Formula	C ₃₇ H ₃₄ ClN ₅ O ₄ S
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-sulfanylpentanoyl)amino]-1 <i>H</i> -indole-2-carboxamide
InChI	InChI=1S/C37H34ClN5O4S/c1-37(2,48)12-11-33(45)39-23-7-9-27-20(13-23)15-29(41-27)35(46)40-24-8-10-28-21(14-24)16-30(42-28)36(47)43-19-22(18-38)34-26-6-4-3-5-25(26)32(44)17-31(34)43/h3-10,13-17,22,41-42,44,48H,11-12,18-19H2,1-2H3,(H,39,45)(H,40,46)/t22-/m1/s1
InChI Key	WVQLZKRXHPZHLA-JOCHJYFZSA-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)CCl)S
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)CCl)S
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	DC41 is a DNA damage inhibitor that can be used for its anticancer properties.
Storage	Store at -20°C, and keep desiccated.
