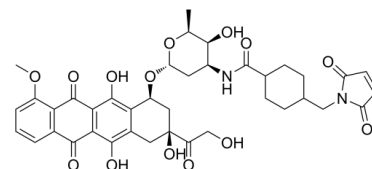


Data Sheet

Product Name:	Doxorubicin-SMCC
Cat. No.:	CS-0063706
CAS No.:	400647-59-8
Molecular Formula:	C ₃₉ H ₄₂ N ₂ O ₁₄
Molecular Weight:	762.76
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Solubility:	DMSO : 62.5 mg/mL (81.94 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Doxorubicin-SMCC is a **drug-linker conjugate for ADC**. Doxorubicin-SMCC contains a non-cleavable ADC linker and a DNA topoisomerase II inhibitor Doxorubicin^[1]. *In Vitro*: ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker^[1].

References:

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

CAIndexNames:

5,12-Naphthacenedione,7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(2-hydroxyacetyl)-1-methoxy-10-[[[2,3,6-trideoxy-3-[[[4-[(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)methyl]cyclohexyl]carbonyl]amino]-α-L-lyxo-hexopyranosyl]oxy]-, (8S,10S)-

SMILES:

C[C@@H]1O[C@H](C[C@@H]([C@@H]1O)NC(C2CCC(CC2)CN3C(C=CC3=O)=O)=O)O[C@H]4C[C@](O)(C(CO)=O)CC5=C(O)C(C(C6=C7C(OC)=CC=C6)=O)=C(C7=O)C(O)=C45

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA