Certificate of Analysis

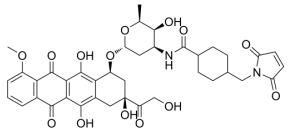
Doxorubicin-SMCC

Cat. No.:	HY-116063
CAS No.:	400647-59-8
Batch No.:	105220
Chemical Name:	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)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{39}H_{42}N_2O_{14}$		
Molecular Weight:	**762.76**		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	Orange to red (Solid)
^{1}H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (LCMS):	**99.48%**
Conclusion:	The product has been tested and complies with the given specifications.

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

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