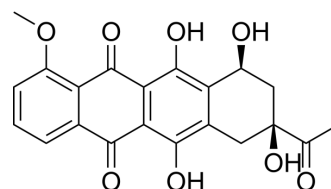


Daunomycinone

Cat. No.:	HY-114658
CAS No.:	21794-55-8
Molecular Formula:	C ₂₁ H ₁₈ O ₈
Molecular Weight:	398.36
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (251.03 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5103 mL	12.5515 mL	25.1029 mL
	5 mM	0.5021 mL	2.5103 mL	5.0206 mL
	10 mM	0.2510 mL	1.2551 mL	2.5103 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Daunomycinone (NSC-109351) is a metabolite of daunomycin. Daunomycin is an antibiotic with antitumor activity^{[1][2]}.

REFERENCES

[1]. Herman EH, et al. Modification of some of the toxic effects of daunomycin (NSC-82,151) by pretreatment with the antineoplastic agent ICRF 159 (NSC-129,943). Toxicol Appl Pharmacol. 1974 Mar;27(3):517-26.

[2]. Tan C, et al. Daunomycin, an antitumor antibiotic, in the treatment of neoplastic disease. Clinical evaluation with special reference to childhood leukemia. Cancer. 1967 Mar;20(3):333-53.

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

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