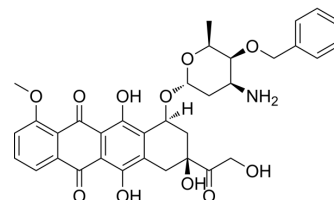


## Berubicin

Cat. No.:	HY-14942		
CAS No.:	677017-23-1		
Molecular Formula:	C <sub>34</sub> H <sub>35</sub> NO <sub>11</sub>		
Molecular Weight:	633.64		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (157.82 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5782 mL	7.8909 mL	15.7818 mL
5 mM	0.3156 mL	1.5782 mL	3.1564 mL
10 mM	0.1578 mL	0.7891 mL	1.5782 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Berubicin (RTA 744 free base; WP 744) is a 4'-O-benzylidoxorubicin that inhibits P-gp and MRP1-mediated efflux and has anticancer activity. Berubicin inhibits glioblastoma multiforme (GBM) and exhibits cytotoxicity. Berubicin has poor bioavailability in mice<sup>[1]</sup>.

### REFERENCES

[1]. Kazerooni R, et al. Phase I clinical pharmacokinetics of RTA 744 (berubicin (B)), a blood-brain barrier penetrating anthracycline active against high grade glioma, and evaluation of its 13-hydroxy metabolite, berubicinol (B-ol)[J]. *Molecular Cancer Therapeutics*, 2007, 6(11\_Supplement): B101-B101.

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

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