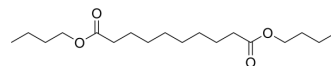


## Dibutyl sebacate

Cat. No.:	HY-W013807
CAS No.:	109-43-3
Molecular Formula:	C <sub>18</sub> H <sub>34</sub> O <sub>4</sub>
Molecular Weight:	314.47
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Store at room temperature 3 years In solvent -80°C 2 years -20°C 1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (318.00 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1800 mL	15.8998 mL	31.7995 mL
	5 mM	0.6360 mL	3.1800 mL	6.3599 mL
	10 mM	0.3180 mL	1.5900 mL	3.1800 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.5 mg/mL (7.95 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (7.95 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Dibutyl sebacate (Dibutyl decanedioate) is a dibutyl ester of sebacic acid, mainly used as a plasticizer in production of plastics<sup>[1]</sup>.

### REFERENCES

- [1]. Effect of substitution of plasticizer dibutyl phthalate with dibutyl sebacate on Eudragit® RS30D drug release rate control.

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

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