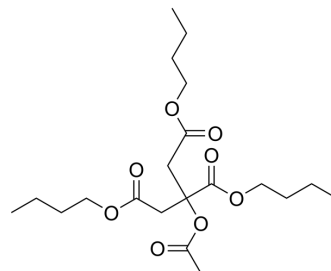


## Acetyl tributyl citrate

<b>Cat. No.:</b>	HY-W010981		
<b>CAS No.:</b>	77-90-7		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>34</sub> O <sub>8</sub>		
<b>Molecular Weight:</b>	402.48		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (248.46 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4846 mL	12.4230 mL	24.8460 mL
	5 mM	0.4969 mL	2.4846 mL	4.9692 mL
	10 mM	0.2485 mL	1.2423 mL	2.4846 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 (6.21 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 (6.21 mM); Suspended solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Acetyl tributyl citrate (Tributyl O-acetylcitrate; ATBC) is an alternative plasticizer<sup>[1]</sup>.

### REFERENCES

- [1]. Andreia Alves, et al. Case Study on Screening Emerging Pollutants in Urine and Nails. Environ Sci Technol. 2017 Apr 4;51(7):4046-4053.

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

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