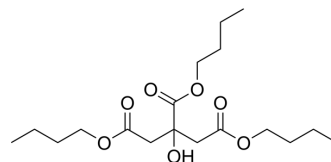


Tributyl citrate

Cat. No.:	HY-W013762		
CAS No.:	77-94-1		
Molecular Formula:	C ₁₈ H ₃₂ O ₇		
Molecular Weight:	360.45		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	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 (277.43 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.7743 mL	13.8715 mL	27.7431 mL
	5 mM		0.5549 mL	2.7743 mL	5.5486 mL
	10 mM		0.2774 mL	1.3872 mL	2.7743 mL

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

BIOLOGICAL ACTIVITY

Description

Tributyl citrate is a citric acid ester. Tributyl citrate can be used as an excipient, such as plasticizer. Pharmaceutical excipients, or pharmaceutical auxiliaries, refer to other chemical substances used in the pharmaceutical process other than pharmaceutical ingredients. Pharmaceutical excipients generally refer to inactive ingredients in pharmaceutical preparations, which can improve the stability, solubility and processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs [1][2].

REFERENCES

- [1]. FINKELSTEIN M, et al. Toxicology of the citric acid esters: tributyl citrate, acetyl tributyl citrate, triethyl citrate, and acetyl triethyl citrate. Toxicol Appl Pharmacol. 1959 May;1(3):283-98.
- [2]. Elder DP, et al. Pharmaceutical excipients - quality, regulatory and biopharmaceutical considerations. Eur J Pharm Sci. 2016 May 25;87:88-99.

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

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