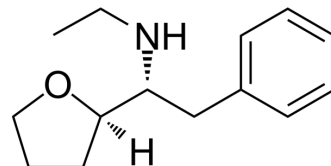


Zylofuramine

Cat. No.:	HY-122477		
CAS No.:	3563-92-6		
Molecular Formula:	C ₁₄ H ₂₁ NO		
Molecular Weight:	219.32		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (455.95 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.5595 mL	22.7977 mL	45.5955 mL
	5 mM	0.9119 mL	4.5595 mL	9.1191 mL
	10 mM	0.4560 mL	2.2798 mL	4.5595 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 (11.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (11.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (11.40 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Zylofuramine is a psychomotor stimulant^[1].

REFERENCES

[1]. HARRIS LS, et al. ALPHA-BENZYL-TETRAHYDROFURFURYLAMINES--A NEW SERIES OF PSYCHOMOTOR STIMULANTS. III. THE PHARMACOLOGY OF D-THREO ALPHA-BENZYL-N-ETHYL-TETRAHYDROFURFURYLAMINE (ZYLOFURAMINE). Arch Int Pharmacodyn Ther. 1963 Dec 1;146:392-405.

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

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