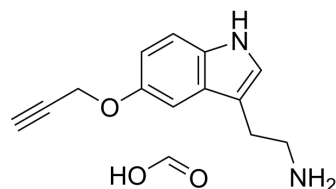


5-PT formic

Cat. No.:	HY-156562A
CAS No.:	2906227-87-8
Molecular Formula:	C ₁₄ H ₁₆ N ₂ O ₃
Molecular Weight:	260.29
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (384.19 mM; Need ultrasonic)
H₂O : 10 mg/mL (38.42 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.8419 mL	19.2093 mL	38.4187 mL
	5 mM	0.7684 mL	3.8419 mL	7.6837 mL
	10 mM	0.3842 mL	1.9209 mL	3.8419 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: ≥ 10 mg/mL (38.42 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% saline
Solubility: ≥ 10 mg/mL (38.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5-PT formic is a serotonin derivative that can be functionalized with various reporter groups via click chemistry to investigate protein serotonylation. 5-PT formic can be used in vivo to observe endogenous protein serotonylation^[1].

REFERENCES

- [1]. Lin JC, et al. Characterization of protein serotonylation via bioorthogonal labeling and enrichment. J Proteome Res. 2014 Aug 1;13(8):3523-9.

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

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