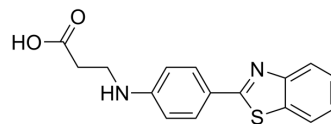


PM-1

Cat. No.:	HY-156404
CAS No.:	1449483-78-6
Molecular Formula:	C ₁₆ H ₁₄ N ₂ O ₂ S
Molecular Weight:	298.36
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (335.17 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.3517 mL	16.7583 mL	33.5166 mL	
5 mM	0.6703 mL	3.3517 mL	6.7033 mL	
10 mM	0.3352 mL	1.6758 mL	3.3517 mL	

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

BIOLOGICAL ACTIVITY

Description

PM-1, a derivative of Thioflavin-T (ThT; HY-D0218), is a small but highly specific plasma membrane (PM) fluorescent dye for specific and long-time membrane imaging of living and fixed cells. PM-1 is embedded directly into the cell membrane and exhibits a very long retention time on the plasma membrane with a half-life of approximately 15 h. PM-1 can be used in combination with protein labeling probes to study ectodomain shedding and endocytosis processes of cell surface proteins [1].

REFERENCES

[1]. Shun-Qiang Xu, et al. Small Plasma Membrane-Targeted Fluorescent Dye for Long-Time Imaging and Protein Degradation Analyses. *nal Chem.* 2023 Oct 24;95(42):15549-15555.

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

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