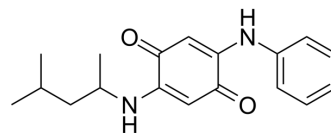


6PPD-Q

Cat. No.:	HY-153169		
CAS No.:	2754428-18-5		
Molecular Formula:	C ₁₈ H ₂₂ N ₂ O ₂		
Molecular Weight:	298.38		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 5 mg/mL (16.76 mM); ultrasonic and warming and heat to 60°C			
	Solvent Concentration	Mass 1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3514 mL	16.7572 mL	33.5143 mL
	5 mM	0.6703 mL	3.3514 mL	6.7029 mL
	10 mM	0.3351 mL	1.6757 mL	3.3514 mL
	Please refer to the solubility information to select the appropriate solvent.			
In Vivo	1. Add each solvent one by one: 0.5% CMC-Na/saline water Solubility: 1.25 mg/mL (4.19 mM); Suspended solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	6PPD-Q (6PPD-Quinone) is an endogenous metabolite that can be found in human urine and can also commonly found in the environment ^[1] .
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REFERENCES

[1]. Du B, et al. First report on the occurrence of N-(1, 3-dimethylbutyl)-N'-phenyl-p-phenylenediamine (6PPD) and 6PPD-quinone as pervasive pollutants in human urine from south China. Environ Sci Technol Lett, 2022, 9(12): 1056-1062.

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

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