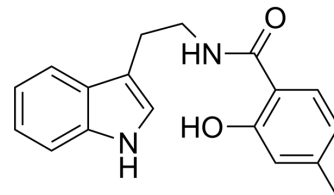


LZWL02003

Cat. No.:	HY-155126												
CAS No.:	1371564-45-2												
Molecular Formula:	C ₁₈ H ₁₈ N ₂ O ₂												
Molecular Weight:	294.35												
Target:	Reactive Oxygen Species												
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB												
Storage:	<table border="0"> <tr> <td>Powder</td> <td>-20°C</td> <td>3 years</td> </tr> <tr> <td></td> <td>4°C</td> <td>2 years</td> </tr> <tr> <td>In solvent</td> <td>-80°C</td> <td>6 months</td> </tr> <tr> <td></td> <td>-20°C</td> <td>1 month</td> </tr> </table>	Powder	-20°C	3 years		4°C	2 years	In solvent	-80°C	6 months		-20°C	1 month
Powder	-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 (339.73 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3973 mL	16.9866 mL	33.9732 mL
	5 mM	0.6795 mL	3.3973 mL	6.7946 mL
	10 mM	0.3397 mL	1.6987 mL	3.3973 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 (8.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

LZWL02003 is an anti-neuroinflammatory agent. LZWL02003 has protective effect on MPP⁺-induced neuronal damage, and reduces the expression of ROS. LZWL02003 improves cognition, memory, learning, and athletic ability in a Rotenone (HY-B1756)-induced PD rat model. LZWL02003 can be used for research of neurodegenerative disease^[1].

REFERENCES

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

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