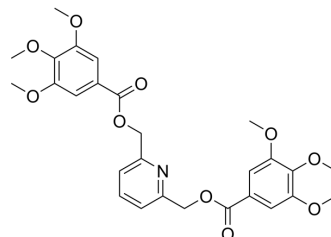


## Pirozadil

Cat. No.:	HY-100144
CAS No.:	54110-25-7
Molecular Formula:	C <sub>27</sub> H <sub>29</sub> NO <sub>10</sub>
Molecular Weight:	527.52
Target:	Others
Pathway:	Others
Storage:	<div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 2 years </div> <div> -20°C 1 year </div>



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (94.78 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	1.8957 mL	9.4783 mL	18.9566 mL
		5 mM	0.3791 mL	1.8957 mL	3.7913 mL
		10 mM	0.1896 mL	0.9478 mL	1.8957 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.94 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (3.94 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.94 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Pirozadil is a hypolipidemic agent.
In Vivo	<p>Pirozadil is a hypolipidemic agent. Pirozadil's effect on increasing cerebral blood flow is almost equal to that of papaverine, less than that of nicardipine and much greater than that of the other hypolipidemic/antiatherogenic drugs, nicotinic acid and pyridinol carbamate. Pirozadil is also shown to significantly diminish vascular cerebral resistance to a much greater degree than nicotinic acid and pyridinol carbamate<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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## REFERENCES

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[1]. Roca J, et al. Effect of pirozadil on cerebral blood flow in anesthetized dogs. Methods Find Exp Clin Pharmacol. 1981 Nov-Dec;3(6):397-401.

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

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