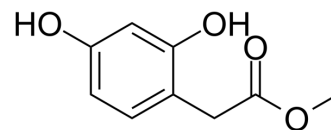


Methyl 2-(2,4-dihydroxyphenyl)acetate

Cat. No.:	HY-W440039
CAS No.:	67828-42-6
Molecular Formula:	C ₉ H ₁₀ O ₄
Molecular Weight:	182.17
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (548.94 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>5.4894 mL</td> <td>27.4469 mL</td> <td>54.8938 mL</td> </tr> <tr> <td>5 mM</td> <td>1.0979 mL</td> <td>5.4894 mL</td> <td>10.9788 mL</td> </tr> <tr> <td>10 mM</td> <td>0.5489 mL</td> <td>2.7447 mL</td> <td>5.4894 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	5.4894 mL	27.4469 mL	54.8938 mL	5 mM	1.0979 mL	5.4894 mL	10.9788 mL	10 mM	0.5489 mL	2.7447 mL	5.4894 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.72 mM); Clear solution																					

BIOLOGICAL ACTIVITY

Description	Methyl 2-(2,4-dihydroxyphenyl)acetate, a phenolic ester, is isolated from <i>Nigella damascena</i> seeds with selective phytotoxic effects ^[1] .
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REFERENCES

[1]. Gelsomina Fico, et al. Phenolic Derivatives From *Nigella Damascena* Seeds. *Pharmaceutical Biology*. 2000, 38, 5.

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

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