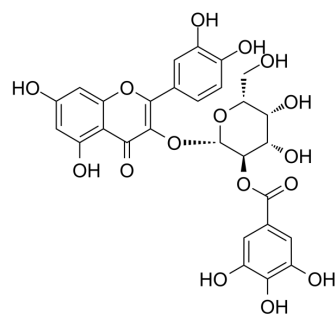


## 2"-O-Galloylhyperin

Cat. No.:	HY-N0526
CAS No.:	53209-27-1
Molecular Formula:	C <sub>28</sub> H <sub>24</sub> O <sub>16</sub>
Molecular Weight:	616.48
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 (162.21 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.6221 mL	8.1106 mL	16.2211 mL
				5 mM	0.3244 mL	1.6221 mL	3.2442 mL
				10 mM	0.1622 mL	0.8111 mL	1.6221 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: ≥ 0.83 mg/mL (1.35 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.83 mg/mL (1.35 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 0.83 mg/mL (1.35 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	2"-O-Galloylhyperin, an active compound isolated from <i>Pyrola incarnata</i> Fisch., possesses anti-oxidative and anti-inflammatory activities. 2"-O-Galloylhyperin has hepatoprotective effect against oxidative stress-induced liver damage <sup>[1][2]</sup> .
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### REFERENCES

[1]. Wang P, et al. 2'-O-Galloylhyperin Isolated From *Pyrola incarnata* Fisch. Attenuates LPS-Induced Inflammatory Response by Activation of SIRT1/Nrf2 and Inhibition of the NF-κB Pathways in Vitro and Vivo. *Front Pharmacol*. 2018 Jun 27;9:679.

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[2]. Wang P, et al. Hepatoprotective effect of 2'-O-galloylhyperin against oxidative stress-induced liver damage through induction of Nrf2/ARE-mediated antioxidant pathway. Food Chem Toxicol. 2017 Apr;102:129-142.

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

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