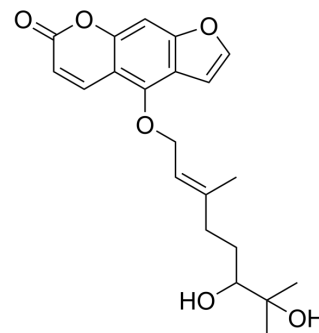


## 6',7'-Dihydroxybergamottin

<b>Cat. No.:</b>	HY-N8354
<b>CAS No.:</b>	145414-76-2
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>24</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	372.41
<b>Target:</b>	Cytochrome P450
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 30 mg/mL (80.56 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6852 mL	13.4261 mL	26.8521 mL
	5 mM	0.5370 mL	2.6852 mL	5.3704 mL
	10 mM	0.2685 mL	1.3426 mL	2.6852 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

6',7'-Dihydroxybergamottin (6',7'-DHB) is a furanocoumarin that inhibits CYP3A4 and is found in grapefruit juice and Seville orange juice<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

CYP3A4

### REFERENCES

[1]. D J Edwards, et al. 6',7'-Dihydroxybergamottin in grapefruit juice and Seville orange juice: effects on cyclosporine disposition, enterocyte CYP3A4, and P-glycoprotein. Clin Pharmacol Ther. 1999 Mar;65(3):237-44.

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

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