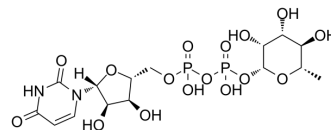


## UDP-rhamnose

<b>Cat. No.:</b>	HY-N10573
<b>CAS No.:</b>	1955-26-6
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>24</sub> N <sub>2</sub> O <sub>16</sub> P <sub>2</sub>
<b>Molecular Weight:</b>	550.3
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 10 mg/mL (18.17 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.8172 mL	9.0860 mL	18.1719 mL
	5 mM	0.3634 mL	1.8172 mL	3.6344 mL
	10 mM	0.1817 mL	0.9086 mL	1.8172 mL

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

### BIOLOGICAL ACTIVITY

#### Description

UDP-rhamnose is one of the substrates for pectin synthesis in cell wall. UDP-rhamnose can be identified in fungi, it is one of the most common sugar donor in plants<sup>[1]</sup>.

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

Human Endogenous Metabolite

### REFERENCES

[1]. Martinez V, et al. Biosynthesis of UDP-4-keto-6-deoxyglucose and UDP-rhamnose in pathogenic fungi *Magnaporthe grisea* and *Botryotinia fuckeliana*. *J Biol Chem*. 2012 Jan 6;287(2):879-92.

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

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