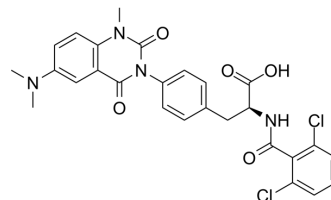


## Carotegrast

<b>Cat. No.:</b>	HY-14857		
<b>CAS No.:</b>	401904-75-4		
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>24</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>5</sub>		
<b>Molecular Weight:</b>	555.41		
<b>Target:</b>	Integrin		
<b>Pathway:</b>	Cytoskeleton		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (180.05 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8005 mL	9.0024 mL	18.0047 mL
	5 mM	0.3601 mL	1.8005 mL	3.6009 mL
	10 mM	0.1800 mL	0.9002 mL	1.8005 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Carotegrast is an orally available  $\alpha 4$  integrin receptor inhibitor with anti-inflammatories activities.

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

$\alpha 4$  integrin receptor<sup>[1]</sup>

### REFERENCES

[1]. Kazuyuki S, et al. Preparation of novel phenylalanine derivatives as  $\alpha 4$  integrin inhibitors. WO 2003070709 A1

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

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