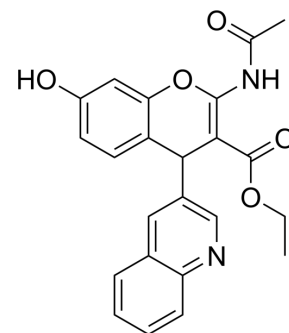


## HFI-437

<b>Cat. No.:</b>	HY-160239		
<b>CAS No.:</b>	1110650-74-2		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub>		
<b>Molecular Weight:</b>	404.42		
<b>Target:</b>	Aminopeptidase		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<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 (247.27 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4727 mL	12.3634 mL	24.7268 mL
	5 mM	0.4945 mL	2.4727 mL	4.9454 mL
	10 mM	0.2473 mL	1.2363 mL	2.4727 mL

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

### BIOLOGICAL ACTIVITY

#### Description

HFI-437 is a potent non-peptidic insulin-regulated aminopeptidase (IRAP) inhibitor with a K<sub>i</sub> of 20 nM. HFI-437 is a cognitive enhancer<sup>[1]</sup>.

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

Ki: 20 nM (IRAP)<sup>[1]</sup>

### REFERENCES

[1]. Anthony L Albiston, et al. Identification and characterization of a new cognitive enhancer based on inhibition of insulin-regulated aminopeptidase. FASEB J. 2008 Dec;22(12):4209-17.

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

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