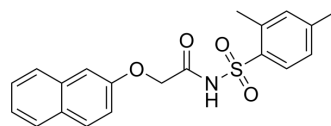


## I942

<b>Cat. No.:</b>	HY-129738		
<b>CAS No.:</b>	868145-09-9		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>19</sub> NO <sub>4</sub> S		
<b>Molecular Weight:</b>	369.43		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<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 : 250 mg/mL (676.72 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7069 mL	13.5344 mL	27.0687 mL
	5 mM	0.5414 mL	2.7069 mL	5.4137 mL
	10 mM	0.2707 mL	1.3534 mL	2.7069 mL

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

### BIOLOGICAL ACTIVITY

#### Description

I942 is a first in class, selective non-cyclic nucleotide (NCN) EPAC1 agonist. I942 can attenuate proinflammatory cytokine signalling normally associated with cardiovascular diseases<sup>[1]</sup>.

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

EPAC1<sup>[1]</sup>

### REFERENCES

[1]. Graeme Barker, et al. The Potential of a Novel Class of EPAC-Selective Agonists to Combat Cardiovascular Inflammation. J Cardiovasc Dev Dis. 2017 Dec 5;4(4):22.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA