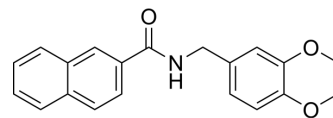


## NDH-1 inhibitor-1

Cat. No.:	HY-148441		
CAS No.:	173964-49-3		
Molecular Formula:	C <sub>20</sub> H <sub>19</sub> NO <sub>3</sub>		
Molecular Weight:	321.37		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (388.96 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1117 mL	15.5584 mL	31.1168 mL
	5 mM	0.6223 mL	3.1117 mL	6.2234 mL
	10 mM	0.3112 mL	1.5558 mL	3.1117 mL

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

### BIOLOGICAL ACTIVITY

#### Description

NDH-1 inhibitor-1 (compound 27) is a potent NDH-1 inhibitor with pI<sub>50</sub> values of <4, 5.40, 6.15 μM for Bovine SMP (submitochondrial particles), Potato SMP and E. coli, respectively<sup>[1]</sup>.

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

NDH-1<sup>[1]</sup>

### REFERENCES

[1]. Satoh T, et al. Comparison of the inhibitory action of synthetic capsaicin analogues with various NADH-ubiquinone oxidoreductases. *Biochim Biophys Acta*. 1996 Jan 11;1273(1):21-30.

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

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