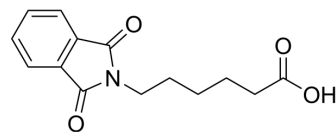


## O-Phthalimide-C5-acid

<b>Cat. No.:</b>	HY-W028210		
<b>CAS No.:</b>	4443-26-9		
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>15</sub> NO <sub>4</sub>		
<b>Molecular Weight:</b>	261.27		
<b>Target:</b>	Biochemical Assay Reagents		
<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 : 100 mg/mL (382.75 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.8275 mL	19.1373 mL	38.2746 mL
5 mM	0.7655 mL	3.8275 mL	7.6549 mL
10 mM	0.3827 mL	1.9137 mL	3.8275 mL

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

### BIOLOGICAL ACTIVITY

#### Description

6-N-Phthalimidoy hexanoic acid (compound FH) is a hapten with a carboxyl group at the end of its spacer arm, suitable for reacting with free amine groups of proteins. 6-N-Phthalimidoy hexanoic acid can be combined with carrier proteins and used in antigen design<sup>[1]</sup>.

### REFERENCES

[1]. Mercader JV, et al. Development of monoclonal ELISAs for azinphos-methyl. 1. Hapten synthesis and antibody production. J Agric Food Chem. 1999 Mar;47(3):1276-84.

---

**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