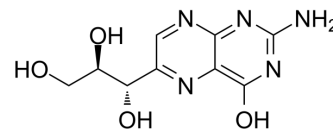


## Neopterin

<b>Cat. No.:</b>	HY-W040055		
<b>CAS No.:</b>	2009-64-5		
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>11</sub> N <sub>5</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	253.21		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 6.25 mg/mL (24.68 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.9493 mL	19.7465 mL	39.4929 mL
5 mM	0.7899 mL	3.9493 mL	7.8986 mL
10 mM	0.3949 mL	1.9746 mL	3.9493 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Neopterin (D-(+)-Neopterin), a catabolic product of guanosine triphosphate (GTM), serves as a marker of cellular immune system activation.

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

Human Endogenous Metabolite

### REFERENCES

[1]. Murr C, et al. Neopterin as a Marker for Immune System Activation. Current Drug Metabolism [01 Apr 2002, 3(2):175-187].

---

**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