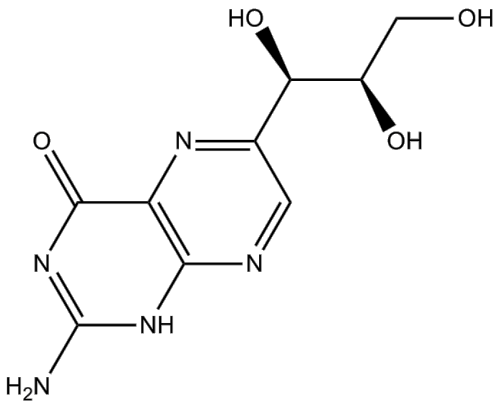
Product Data Sheet

Product Name: (D)-(+)-Neopterin
Cat. No.: GC12395

Chemical Properties

Cas. No.	2009-64-5		
Chemical Name	2-amino-6-((1R,2R)-1,2,3-trihydroxypropyl)pteridin-4(1H)-one		
SMILES	O[C@H](C1=NC2=C(NC(N)=NC2=O)N=C1)[C@@H](CO)O		
Formula	$C_9H_{11}N_5O_4$	M.Wt	253.21
Solubility	≥10mg/ml in DMSO （Ultrasonic heating to assist dissolution）	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

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

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.

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