

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

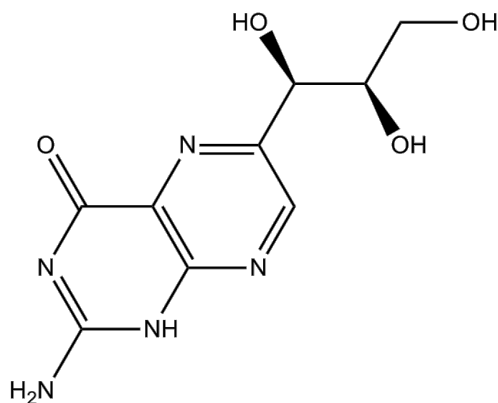
Formula $C_9H_{11}N_5O_4$ M.Wt 253.21

Solubility $\geq 10\text{mg/ml}$ 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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