



LKT Laboratories, Inc.

Biopterin

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Product Information

Product ID B3458

CAS No. 22150-76-1

Chemical Name 2-Amino-6-[(1R,2S)-1,2-dihydroxypropyl]-4(1H)- pteridinone

Synonym Pterin HB₂, L-Erythro-Biopterin, L-Biopterin.

Formula C₉H₁₁N₅O₃

Formula Wt. 237.22

Melting Point 250-280 °C (chars)

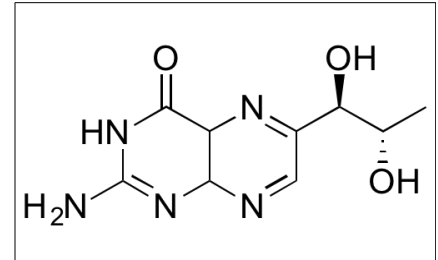
Purity ≥98%

Solubility Soluble in water (0.7 mg/mL),
1 M NaOH (>25 mg/mL), 1 M
HCl (>25 mg/mL), alcohol (<0.1
mg/mL), ether (<0.1 mg/mL),
acetone (<0.1 mg/mL)

Store Temp -20 °C

Ship Temp Ambient

Description Biopterin is an endogenous pterin coenzyme that acts as a cofactor for amino acid hydroxylases that produce neurotransmitters and bind NOS to stimulate NO release.



Bulk quantities available upon request

Product ID	Size
B3458	5 mg
B3458	10 mg
B3458	25 mg

References Longo N. Disorders of biopterin metabolism. J Inherit Metab Dis. 2009 Jun;32(3):333-42. Erratum in: J Inherit Metab Dis. 2009 Jun;32(3):457. PMID: 19234759.

Li HY, Yao YM, Shi ZG. The biological effect of tetrahydrobiopterin and its potential role in sepsis. Sheng Li Ke Xue Jin Zhan. 1999 Oct;30(4):303-8. PMID: 12532822.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.