Creative Enzymes®

(+)-Neopterin

Cat. No. COEC-061

Lot. No. (See product label)

Introduction

Description	(+)-Neopterin is a precursor of tetrahydrobiopterin and can be used as a biochemical marker indicative of cell proliferation. Elevated levels of (+)-neopterin are correlated to immune system activation, malignant disease, allograft rejection, and viral infections. Additionally, (+)-neopterin serves as a cofactor for pterin in biological systems.
Applications	A biochemical indicator for cellular proliferation
Synonyms	D-erythro-Neopterin

Product Information

Appearance	Powder
Form	Solid
CAS No.	2009-64-5
Molecular Formula	C9H11N5O4
Molecular Weight	253.22
Purity	≥98%
Melting Point	>232° C (dec.) (tautomer)
Boiling Point	697.66° C at 760 mmHg (Predicted) (tautomer)
Solubility	Soluble in DMSO (20 mM, with gentle warming), 0.05M NaOH, 1M HCl, aqueous acid, and water (very slightly). Ultrasonication may improve the dissolution.