

(+)-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.