Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

(1R,4S)-4-(2-Amino-6-chloro-9H-purin-9-yl)-2-cyclopentene-1-methanol

Art. ID TRC-A595930-250MG

Unit 250 mg

Description

Application Note: (1R,4S)-4-(2-Amino-6-chloro-9H-purin-9-yl)-2-cyclopentene-1-methanol is an intermediate used in the synthesis of ent-Abacavir (A105015), which is an enatiomer of Abacavir (A105000). Abacavir is a carbocyclic 2'-deoxyguanosine nucleoside reverse transcriptase inhibitor and an anti-HIV drug used to treat HIV infection (1). Intracellular enzymes convert Abacavir to its active form, carbovir-triphosphate (CBV-TP), which then selectively inhibits HIV reverse transcriptase by incorporating into viral DNA (2). Abacavir is metabolized in the liver by uridine diphosphate glucuronyltransferase and alcohol dehydrogenase resulting in inactive glucuronide and carboxylate metabolites, respectively.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	(1R,4S)-4-(2-Amino-6-chloro-9H-purin-9-yl)-2-cyclopentene-1-methanol	[216481-88-8]				