

FT-1D7452

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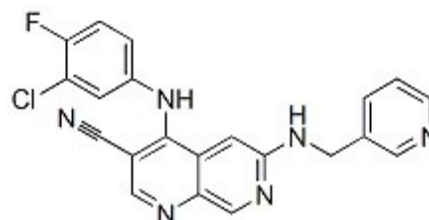
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Tpl2 Kinase Inhibitor

A cell-permeable naphthyridine compound that acts as a potent, reversible, and ATP-competitive inhibitor of Tpl2 kinase ($IC_{50} = 50nM$).

Product Description

Name :	Tpl2 Kinase Inhibitor 4-(3-Chloro-4-fluorophenylamino)-6-(pyridin-3-yl-methylamino)-3-cyano-[1,7]-naphthyridine
Catalog Number :	1D7452, 10mg
Structure :	$C_{21}H_{14}ClFN_6$ CAS: [871307-18-5]
Molecular Weight :	404.8
Properties:	Solubility: DMSO Form : Yellow solid Purity (HPLC) : >95% Mass Spectrometry : 405.3 (M+1)



Storage: $-20^{\circ}C$

Introduction

Tpl2 Kinase Inhibitor is a reversible naphthyridine ATP-competitive inhibitor of the enzyme Tpl2 kinase. The enzyme is a hematopoietically expressed serine-threonine kinase responsible for regulating tumor necrosis factor- α , toll-like receptor, and G protein-coupled receptor signaling. Studies suggest that Tpl2 kinase inhibitor suppresses LPS-induced TNF- α production from primary human monocytes. In addition, Tpl2 kinase inhibitor causes an increase in 1,25-Dihydroxyvitamin D3 (1,25D)-induced differentiation of myeloid leukemia cells via inhibition of Tpl2 kinase.

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>. Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

[Order on-line](#) or [Contact](#) your local distributor

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