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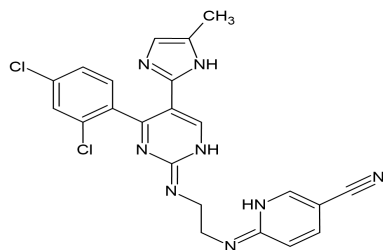
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CHIR-99021

ALTERNATE NAME: 6-[2-[[4-(2,4-dichlorophenyl)-5-(5-methyl-1*H*-imidazol-2-yl)pyrimidin-2-yl]amino]ethylamino]pyridine-3-carbonitrile

CATALOG #: AUR10277

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₁₈Cl₂N₈

MOLECULAR WEIGHT: 465.34

CAS#: 252917-06-9

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (2 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: CHIR-99021 is an aminopyrimidine derivative that inhibits GSK3 α and GSK3 β with IC₅₀ values of 10 and 6.7 nM, respectively. CHIR-99021 promotes self-renewal potential of embryonic stem cells (ESCs) of mice by inhibiting glycogen synthase kinase-3 (GSK-3) activity and potentiates the upregulation of β -catenin and c-Myc functions.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure