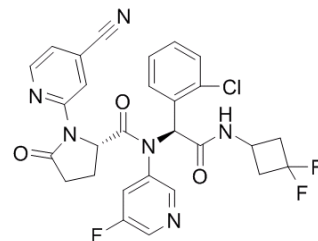


Data Sheet

Product Name:	Ivosidenib
Cat. No.:	HY-18767
CAS No.:	1448347-49-6
Molecular Formula:	C ₂₈ H ₂₂ ClF ₃ N ₆ O ₃
Molecular Weight:	582.96
Target:	Isocitrate Dehydrogenase (IDH)
Pathway:	Metabolic Enzyme/Protease
Solubility:	DMSO: ≥ 39 mg/mL



BIOLOGICAL ACTIVITY:

Ivosidenib is a inhibitor of IDH1. The detailed information please refer to WO2015127172A1 and WO2015138839A1.

Target: IDH1

PROTOCOL (Extracted from published papers and Only for reference)

Cell assay [1] The primary AML cells from IDH1 WT patients are cultured in serum-free conditions in the presence of IDH1-IN-1 (0.5 μM, 1 μM, 5 μM) or DMSO. Cell are counted and removed for 2-HG analysis and FACS analysis. Animal administration [2] The Sprague Dawley rats are dosed orally. IDH1-IN-1 concentration in plasma is determined using a sensitive and specific LC/MS method. PK parameters, including AUC and C_{max}, are calculated using WinNonlin software.

References:

[1]. Agresta Samuel V, et al.

(S)-N-((S)-1-(2-Chlorophenyl)-2-((3,3-difluorocyclobutyl)amino)-2-oxoethyl)-1-(4-cyanopyridin-2-yl)-N-(5-fluoropyridin-3-yl)-5-oxopyrrolidine-2-carboxamide as therapeutically active compound for treating cancer characterized by a mutant allele of IDH1. From PCT Int. Appl. (2015), WO 2015127172 A1 20150827.

[2]. Gu Chong-Hui, et al. Pharmaceutical compositions of therapeutically active compounds comprising

(S)-N-((S)-1-(2-chlorophenyl)-2-[(3,3-difluorocyclobutyl)amino]-2-oxoethyl)-1-(4-cyanopyridin-2-yl)-N-(5-fluoropyridin-3-yl)-5-oxopyrrolidine-2-carboxamide for treating hematologic malignancies with mutant allele of IDH1. From PCT Int. Appl. (2015), WO 2015138839 A1 20150917.

Caution: Product has not been fully validated for medical applications. For research use only.

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