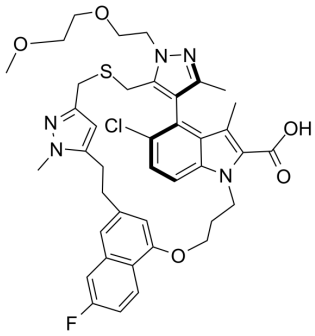
JNJ-4355

Cat. No.:	HY-150507
CAS No.:	2697112-32-4
Molecular Formula:	$C_{40}H_{43}ClFN_5O_5S$
Molecular Weight:	760.32
Target:	Bcl-2 Family
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JNJ-4355 is a highly potent MCL-1 (myeloid cell leukemia-1) inhibitor, with K_I of 18 pM. JNJ-4355 shows antitumor activity[1] [2].
IC_{50} & Target	Mcl-1 18 pM (Ki)
In Vitro	JNJ-4355 shows promising in vitro potency data in cancer cell lines and AML patient-derived samples[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	JNJ-4355 (IV , single) shows complete tumor regression in a mouse MOLP8 (multiple myeloma) xenograft[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Matthieu Jouffroy, et al. Synthesis of Atropisomeric Biaryls via Chiral Suzuki–Miyaura/Enzymatic Kinetic Resolution. ACS Catal. 2022, 12, 8380–8385.

[2]. Frederik J. Rombouts, et al. Abstract 2133: In pursuit of MCL-1 inhibitors with improved therapeutic window for the treatment of hematological malignancies: Discovery of JNJ-4355. Cancer Res (2022) 82 (12_Supplement): 2133.

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