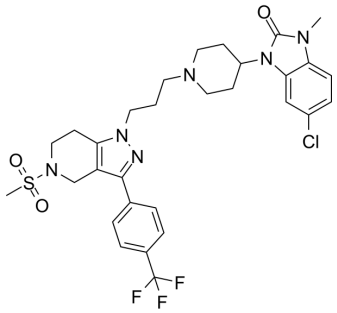
JNJ 10329670

Cat. No.:	HY-123531
CAS No.:	400797-24-2
Molecular Formula:	$C_{30}H_{34}ClF_3N_6O_3S$
Molecular Weight:	651.14
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JNJ 10329670 is a potent and selective noncovalent cathepsin S inhibitor with a K_i value of 34 nM for human cathepsin S. JNJ 10329670 blocks invariant chain proteolysis in B cells and dendritic cells, as well as antigen-induced T cell proliferation [1].
IC_{50} & Target	cathepsin S 34 nM (Ki)
In Vitro	JNJ 10329670 (0-100 μM) inhibits cathepsin S and thereby block the proteolysis of the invariant chain in human B cell lines[1]. JNJ 10329670 (0-10 μM) blocks proliferation of T cells in response to both antigens, but less so to the nonspecific T cell mitogen phytohemagglutinin[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Thurmond RL, et, al. Identification of a potent and selective noncovalent cathepsin S inhibitor. J Pharmacol Exp Ther. 2004 Jan;308(1):268-76.

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