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Data Sheet

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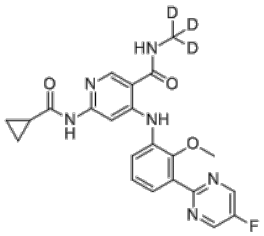
Product Name	:	BMS-986202
Cat. No.	:	PC-38210
CAS No.	:	1771691-34-9
Molecular Formula	:	$C_{22}H_{18}D_3FN_6O_3$
Molecular Weight	:	439.466
Target	:	JAK
Solubility	:	10 mM in DMSO



Biological Activity

BMS-986202 (BMS 986202) is potent, selective **Tyk2** inhibitor that binds to Tyk2 JH2 domain with IC50 of 0.19 nM, Ki of 0.02 nM, >10,000-fold over 273 kinases and pseudokinases.
BMS-986202 demonstrated cellular activity (IL-23 IC50=12 nM) in IL-23 stimulated reporter assay (in Kit225 T cells).
BMS-986202 also binds Jak1 JH2 with an IC50 of 7.8 nM, but this enzymatic binding did not lead to any functional activities, as BMS-986202 displayed an activity (IC50) of greater than 12.5 μM in the IL-2 stimulated Jak1/3-dependent cellular assay.
BMS-986202 showed in vivo efficacy in mouse models of IL-23-driven acanthosis, anti-CD40-induced colitis, and spontaneous lupus.

References

Liu C, et al. ***J Med Chem***. 2021 Jan 14;64(1):677-694.

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