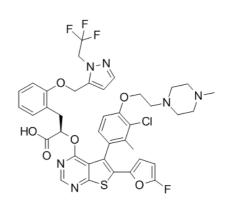


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Product Name	:	S-63845
Cat. No.	:	PC-42244
CAS No.	:	1799633-27-4
Molecular Formula	:	C ₃₉ H ₃₇ ClF ₄ N ₆ O ₆ S
Molecular Weight	:	829.2593
Target	:	Bcl-2
Solubility	:	DMSO

Data Sheet

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Biological Activity

S-63845 (S63845) is a highly potent, selective **Mcl-1** inhibitor with Kd of 0.19 nM, with no appreciable binding affinity to BCL-2 or BCL-XL (Ki>10 uM).

S-63845 binds to the BH3-binding groove of Mcl-1.

S-63845 potently kills MCL1-dependent cancer cells, including multiple myeloma (IC50<0.1 uM), leukaemia and lymphoma cells, by activating the BAX/BAK-dependent mitochondrial apoptotic pathway.

S-63845 is well tolerated and shopws high effectivity against mouse cancer models.

References

Kotschy A, et al. *Nature.* 2016 Oct 27;538(7626):477-482. Merino D, et al. *Sci Transl Med.* 2017 Aug 2;9(401). pii: eaam7049. Letai A. *Cancer Cell.* 2016 Dec 12;30(6):834-835.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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