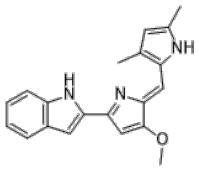
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Obatoclax
Cat. No.	:	PC-28547
CAS No.	:	803712-67-6
Molecular Formula	:	$C_{20}H_{19}N_3O$
Molecular Weight	:	317.39
Target	:	Bcl-2
Solubility	:	10 mM in DMSO



Biological Activity

Obatoclax (GX15-070) is a potent inhibitor of **Bcl-2** family with IC50s of 1-7 uM for Bcl-2, Bcl-XL, Bcl-w, Bcl-B, Mcl-1 and Bfl-1.
Obatoclax (GX15-070) potently interferes with the direct interaction between MCL-1 and BAK in intact mitochondrial outer membrane and inhibits the association between MCL-1 and BAK in intact cells.
Obatoclax (GX15-070) induces autophagy-dependent cell death and targets cyclin D1 for proteasomal degradation.
Obatoclax Mesylate has anti-cancer and broad-spectrum antiparasitic activity.

References

Zhai D, et al. ***Cell Death Differ***. 2006 Aug;13(8):1419-21.

Nguyen M, et al. ***Proc Natl Acad Sci U S A***. 2007 Dec 4;104(49):19512-7.

Konopleva M, et al. ***Cancer Res***. 2008 May 1;68(9):3413-20.

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

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