



# Data Sheet

Research Use Only

## Compound Name

GX15-070

## Catalog Number

SM56

## Activity

GX15-070 is a novel Bcl-2 homology domain-3 (BH3) mimetic. It occupies a hydrophobic cleft within the BH3 binding groove of Bcl-2, antagonizing Bcl-2 and thus inducing apoptosis.

## Purity

>99%

## Formula

$C_{20}H_{19}N_3O \cdot CH_4SO_3$

## Solubility

DMSO, ethanol

## Alternative Names

Obatoclax, GX15-070MS, (Z)-2-(5-((3,5-dimethyl-1H-pyrrol-2-yl)methylene)-4-methoxy-5H-pyrrol-2-yl)-1H-indole mesylate

## Effect

GX15-070 enhances the antimyeloma activity induced by melphalan, dexamethasone, or bortezomib. GX15-070 potentiates TRAIL (tumor necrosis factor-related apoptosis-inducing ligand)-mediated apoptosis by unsequestering Bak and Bim from Bcl-2/Bcl-xL or Mcl-1 proteins in PANC-1 and BxPC-3 cells.

## CAS

803712-79-0

## Molecular Weight

413.49

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. Konopleva, M., et al. 2008, Cancer Research. 68(9): 3413-3420. PMID: 18451169
2. Fan, W., et al. 2011. Cancer Res. 71(13): 4494-4505. PMID: 21555370
3. Ying, S., et al. 2012. Cancer Res. 72(11): 2814-2821. PMID: 22447567