LKT Laboratories, Inc.

Obatoclax

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

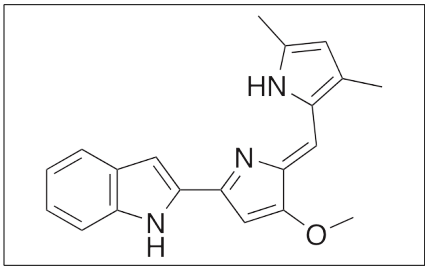
Product Information

Product ID O0400
CAS No. 803712-67-6
Chemical Name

Synonym GX15-070

Formula $C_{20}H_{19}N_3O$
Formula Wt. 317.38
Melting Point
Purity ≥98%
Solubility

DMSO	83 mg/mL (200.73 mM)
Water	Insoluble
Ethanol	Insoluble



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
O0400	5 mg	$95.50
O0400	25 mg	$351.10
O0400	50 mg	$533.60

Store Temp -20°C
Ship Temp Ambient

Description Obatoclax is a BH3 mimetic and inhibitor of Bcl-2 and Bcl-xl that displays anti-metastatic and anticancer chemotherapeutic activities; it is currently in clinical trials as a potential treatment for various cancers. Obatoclax induces autophagy and apoptosis in adenoid cystic carcinoma cells and decreases tumor formation and growth in animal models of hepatoblastoma. In cellular models of colorectal cancer, obatoclax inhibits cell growth, induces G1 phase cell cycle arrest, and suppresses proliferation, migration, and invasion.

References

Liang LZ, Ma B, Liang YJ, et al. Obatoclax induces Beclin 1- and ATG5-dependent apoptosis and autophagy in adenoid cystic carcinoma cells. Oral Dis. 2014 Dec 8. [Epub ahead of print]. PMID: 25482163.

Arellano ML, Borthakur G, Berger M, et al. A phase II, multicenter, open-label study of obatoclax mesylate in patients with previously untreated myelodysplastic syndromes with anemia or thrombocytopenia. Clin Lymphoma Myeloma Leuk. 2014 Dec;14 (6):534-9. PMID: 25052051.

Koehler BC, Scherr AL, Lorenz S, et al. Pan-Bcl-2 inhibitor obatoclax delays cell cycle progression and blocks migration of colorectal cancer cells. PLoS One. 2014 Sep 5;9(9):e106571. PMID: 25192188.

Lieber J, Ellerkamp V, Vogt F, et al. BH3-mimetic drugs prevent tumour onset in an orthotopic mouse model of hepatoblastoma. Exp Cell Res. 2014 Mar 10;322(1):217-25. PMID: 24355809.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.