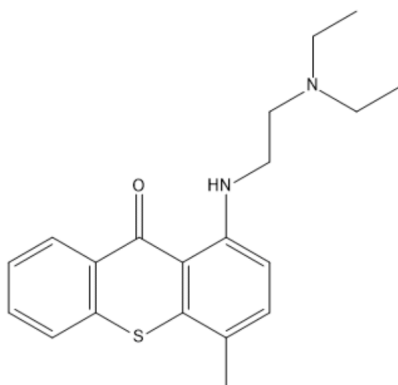


Data Sheet

Product Information

Catalog Number	BP12681
Product Name	Lucanthone
Description	Lucanthone is an endonuclease inhibitor of Apurinic endonuclease-1 (APE-1).
In vitro	Lucanthone is a novel inhibitor of autophagy that induces cathepsin D-mediated apoptosis. To investigate the anticancer activity of Lucanthone, cell viability is measured by MTT assay. Lucanthone reduces cell viability to a similar extent in a panel of seven breast cancer cell lines. In addition, a direct comparison reveals that Lucanthone is significantly more potent than Chloroquine (CQ) at reducing breast cancer cell viability with a mean IC ₅₀ of 7.2 μ M versus 66 μ M for CQ. Measurement of cell viability in two representative cell lines (MDA-MB-231 and BT-20) by ATPlite assay and trypan blue exclusion reveals comparable results.
Synonyms	Lucantona, Lucanthonum
CAS No.	479-50-5
Chemical Formula	C ₂₀ H ₂₄ N ₂ O ₅
Molecular Weight	340.49
Solubility	DMSO: 25 mg/mL), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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