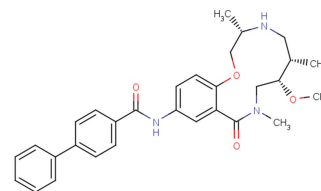


BRD5631

Chemical Properties

CAS No.:	T10607
Formula:	C30H35N3O4
Molecular Weight:	501.62
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	BRD5631 is an autophagy enhancer through an mTOR-independent pathway. It affects several cellular disease phenotypes linked to autophagy, including cell survival, protein aggregation, and inflammatory cytokine production.
Targets(IC ₅₀)	Autophagy: None
In vitro	BRD5631 (10 µM, 48 hours) leads to increased levels of LC3-II in HeLa cells. BRD5631 stimulates the formation of new autophagosomes. BRD5631 suppressed IL-1β secretion in an autophagy-dependent manner. BRD5631 does not enhance autophagy by directly inhibiting mTOR or the mTOR signaling pathway.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.994 mL	9.968 mL	19.935 mL
5 mM	0.399 mL	1.994 mL	3.987 mL
10 mM	0.199 mL	0.997 mL	1.994 mL
50 mM	0.04 mL	0.199 mL	0.399 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kuo SY, et al. Small-molecule enhancers of autophagy modulate cellular disease phenotypes suggested by human genetics. Proc Natl Acad Sci U S A. 2015 Aug 4;112(31):E4281-7.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481