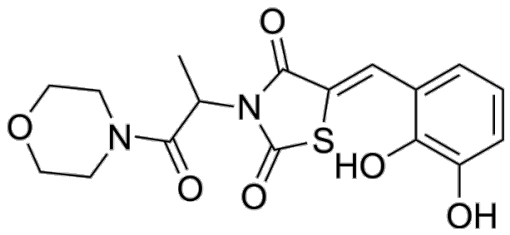
Product Data Sheet

Product Name: FB49
Cat. No.: GC73629

Chemical Properties

Cas. No.	3074495-82-9		
Formula	$C_{17}H_{18}N_2O_6S$	M.Wt	378.4
Solubility	DMSO : 100 mg/mL (264.27 mM; Need ultrasonic)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

FB49 is a highly selective inhibitor of Bcl-2-associated athanogene 3 (BAG3), with the Ki of 45 μM. FB49 inhibits the cell growth in human tumoral cells, but has no toxicity in human peripheral

mononuclear cells. FB49 block cell cycle in G1 phase and to induce apoptosis as well as autophagy in medulloblastoma HD-MB03 treated cells.

References:

[1]. Budassi F, et al. Design, synthesis and biological evaluation of novel 2,4-thiazolidinedione derivatives able to target the human BAG3 protein [published online ahead of print, 2023 Sep 22]. Eur J Med Chem. 2023;261:115824.

Caution: Product has not been fully validated for medical applications. For research use only.
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