

Data Sheet

Product Information

Catalog Number	BP10773
Product Name	DBeQ
Description	DBeQ(JRF-12) is a selective, potent, reversible, and ATP-competitive p97 inhibitor.
Targets&IC50	p97: 1.5 μ M
In vitro	Cells are seeded on a 384-well solid white plate (5,000 cells/well). Cells are transfected with luciferase siRNA or p97 siRNA (10 nM) for 48 hours or treated with DBeQ for the indicated amount of time. Caspase-3/7 Glo, caspase-6 Glo, caspase-8 Glo, or caspase-9 Glo is added into each well and mixed by shaking at 500 rpm for 1 min. Luminescence signal is determined after incubation at room temperature for 1 hour. Cellular viability is determined with CellTiter-Glo reagen. To determine the IC50 of cellular viability, cells are treated with MG132 or DBeQ at seven concentrations (threefold serial dilutions starting at 33 μ M) for 48 hours. IC50 values are calculated from tting the percentage of luminescence signal normalized to DMSO treated cells).(Only for Reference)
Synonyms	JRF 12
CAS No.	177355-84-9
Chemical Formula	C22H20N4
Molecular Weight	340.43
Solubility	DMSO: 34 mg/mL (100 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure OR Tested Image	
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