

# DBeQ

Cat. # F1420, F1421

**Also Known as:** N<sup>2</sup>, N<sup>4</sup>-Dibenzylquinazoline-2,4-diamine

**Formula:** C<sub>22</sub>H<sub>20</sub>N<sub>4</sub>

**MW:** 340.42 Da

**CAS No.:** 177355-84-9

**Source:** Synthetic

**Form:** Lyophilized powder

**Solubility:** Soluble in DMSO (>25 mg/ml)

**Concentration:** N/A

**Quality Assurance:** ≥98% by HPLC

**Description:** A potent, reversible, cell permeable and specific inhibitor of ATPase of p97 (also called valosin-containing protein (VCP)) with IC<sub>50</sub> of 1.5 μM. DBeQ inhibits both ubiquitin-dependent and autophagic protein degradation pathways and rapidly induces caspases -3 and -7 activity and apoptosis.

**Storage:** Eligible for room temperature shipping. Store at -20°C upon receiving; protect from air and light

**Literature:**  
1. Chou TF, *et al* . (2011) Proc Natl Acad Sci U S A, 108(12), 4834-4839.  
2. Chou TF, *et al* . (2011) Autophagy, 7(9), 1091-1092.

