

PRODUCT: BML-278

ALTERNATE NAME: N-Benzyl-3,5-dicarboxy-4-phenyl-1,4-dihydropyridine

CATALOG #: 2379-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₄H₂₅NO₄

MOLECULAR WEIGHT: 391.46

CAS NUMBER: 15301-69-6

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (~5 mg/ml)

PURITY: ≥98% by TLC

STORAGE: At +4° C. Protect from light and moisture

DESCRIPTION: Cell-permeable. A structurally novel activator of SIRT1 (EC₅₀ = 1 μM). Displays selectivity over SIRT2 and 3 (EC₅₀ = 25 and 50 μM respectively).REFERENCE: Mai, A., *et al.* (2009). *J. Med. Chem.* **52**, 5496-5504.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Piceatannol (Cat. No. 2072-5, 25)

Resveratrol (Cat. No. 1758-100, 500)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**