

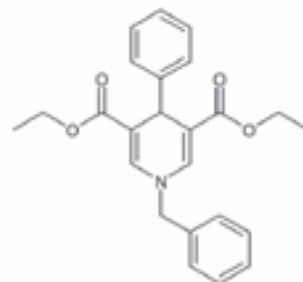
BPDP (BML-278)

Catalog Number P003-5MG

Catalog Number P003-25MG

FEATURES

- Novel SIRT activator
- Dihydropyridine scaffold
- Arrests cell cycle at G1/S phase



ARBOR
ASSAYS

INTRODUCTION

Sirt activator based on a dihydropyridine structural scaffold. EC150 (effective concentration able to increase enzyme activity by 150%) is 1 μ M for Sirt1, 25 μ M for Sirt2, and 50 μ M for Sirt3. The compound is active in whole cells and arrests cell cycle at G1/S phase in U937 cells.

FORM:	Off white Powder
MOLECULAR WEIGHT:	391.5
STORAGE:	Room temperature
FORMULA:	$C_{24}H_{25}NO_4$
CAS NUMBER:	None
OTHER NAMES:	BML-278, N-Benzyl-3,5-dicarbethoxy-4-phenyl-1,4-dihydropyridine
USES:	Soluble to 5 mg/mL in DMSO

REFERENCES:

A. Mai et al. Study of 1,4-dihydropyridine structural scaffold: discovery of novel sirtuin activators and inhibitors . J. Med. Chem. 52:5496 (2009)

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