



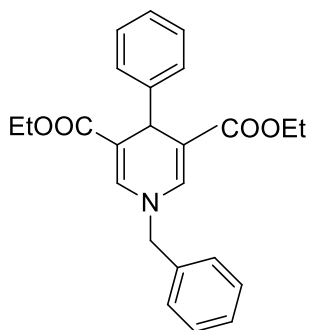
**Catalog # 10-1063**

**BML-278**

**CAS#120533-76-8**

N-Benzyl-3,5-dicarbethoxy-4-phenyl-1,4-dihydropyridine

Lot # X102421



A structurally novel activator of SIRT1 ( $EC_{50}=1 \mu\text{M}$ ). Displays selectivity over SIRT2 and 3 ( $EC_{150}=25$  and  $50 \mu\text{M}$  respectively). Cell permeable.

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

#### **PHYSICAL DATA**

Molecular Weight:	391.47
Molecular Formula:	$\text{C}_{24}\text{H}_{25}\text{NO}_4$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 5 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at room temperature for up to 2 year from the date of purchase. Solutions in DMSO may be stored at $-20^{\circ}\text{C}$ for up to 3 months.

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