

Product Name: EML 425

Catalog No.: 5646

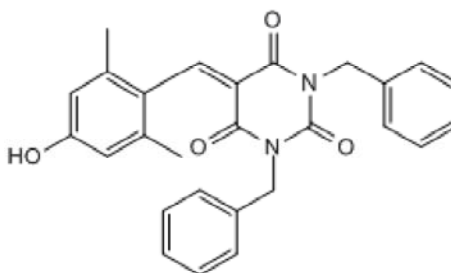
Batch No.: 1

CAS Number: 1675821-32-5

IUPAC Name: 5-[(4-Hydroxy-2,6-dimethylphenyl)methylene]-1,3-bis(phenylmethyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₂₄N₂O₄
Batch Molecular Weight: 440.49
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM
 ethanol to 20 mM with gentle warming
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.58 (Ethyl acetate:Petroleum ether [1:1])
HPLC: Shows >99.2% purity
¹H NMR: Consistent with structure
 Mass Spectrum: Consistent with structure
 Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	73.62	5.49	6.36
Found	73.34	5.52	6.34

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Reversible and non-competitive CBP/p300 inhibitor (IC₅₀ values are 1.1 and 2.9 μM, respectively). Cell permeable.

Physical and Chemical Properties:

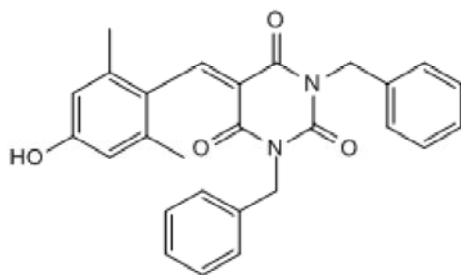
Batch Molecular Formula: C₂₇H₂₄N₂O₄

Batch Molecular Weight: 440.49

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 20 mM with gentle warming

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Milite et al (2015) A novel cell-permeable, selective, and noncompetitive inhibitor of KAT3 histone acetyltransferases from a combined molecular pruning/classical isosterism approach. *J.Med.Chem.* **58** 2779. PMID: 25730130.

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