

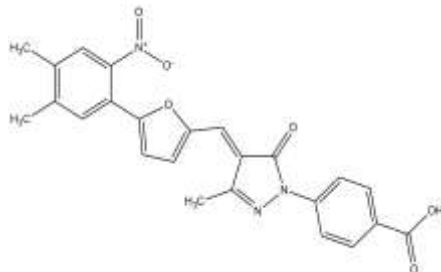
C646, p300/CBP Inhibitor

ALTERNATE NAME: (E)-4-(4-((5-(4,5-Dimethyl-2-nitrophenyl)furan-2-yl)-methylene)-3-methyl-5-oxo-4,5-dihydro-1H-pyrazol-1-yl)benzoic acid

CATALOG #: 1948-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₁₉N₃O₆

MOLECULAR WEIGHT: 445.42

CAS NUMBER: 328968-36-1

APPEARANCE: Red solid

SOLUBILITY: DMSO (25 mM)

PURITY: ≥98% by NMR

STORAGE: Store at -20 °C

DESCRIPTION: Cell-permeable. A reversible, p300/CBP (CREB-binding protein) histone acetyltransferase (HAT) inhibitor (K_i = 400 nM). Specific inhibition to p300 (86%) compared to N-acetyltransferase, PCAF, GCN5, Rtt109, Sas or MOZ histone acetyltransferases (<10%). Suppresses histone H3 and H4 acetylation in mouse fibroblast cell lines.

REFERENCE: Bowers, E.M., *et al.* (2010). *Chem. Biol.* **17**, 471-482.

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

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Anacardic Acid (Cat. No. 1849-5, 25)
- Apicidin (**Cat. No. 1601-1**)
- CI-994 (**Cat. No. 1742-10, 50**)
- Curcumin (**Cat. No. 1850-10, 50**)
- DiscoveryPak™ HDAC Inhibitor Set (**Cat. No. K851-6**)
- HDAC Colorimetric Assay Kit (**Cat. No. K331-100**)
- HDAC Fluorometric Assay Kit (**Cat. No. K330-100**)
- HAT Activity Colorimetric Assay Kit (**Cat. No. K332-100**)
- M344 (**Cat. No. 1607-1**)
- MS-375 (Entinostat) (**Cat. No. 1590-1,5**)
- Panobinostat(LBH589) (**Cat. No. 1612-1,5**)
- Sodium 4-Phenylbutyrate (**Cat. No. 1608-100,1000**)
- Sodium Butyrate (**Cat. No. 1609-1000**)
- Splitomycin (**Cat. No. 1610-5**)
- Trichostatin A (**Cat. No. 1606-1**)
- Tubastatin A (**Cat. No. 1724-1, 5**)
- Valproic Acid, Sodium Salt (**Cat. No. 1647-200**)