

**DATA SHEET**

**Product Name:** C-646

**Catalog #:** N-3002

**Alt:** CAS 328968-36-1; 4-[4-[[5-(4,5-Dimethyl-2-nitrophenyl)-2-furanyl]methylene]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzoic acid

**Source:** Synthetic

**Molecular Mass:** 445.4 C<sub>24</sub>H<sub>19</sub>N<sub>3</sub>O<sub>6</sub>

**Analysis:** 98% (TLC); NMR (Conforms)

**Supplied As:** Orange powder

**Resuspension:** May be dissolved in DMSO (10 mg/ml)

**Storage:** Store desiccated as supplied at 4°C for up to 2 years. Store solutions at -20°C for up to 2 months.

**Description:** Potent and selective inhibitor of the histone acetyl transferase p300/CBP (K<sub>i</sub>=400 nM)<sup>1</sup>. Induces apoptosis in prostate cancer cells<sup>2</sup>. Enhances fear extinction memory and synaptic plasticity in mice<sup>3</sup>. Promotes tau deacetylation reducing levels of pathogenic p-tau<sup>4</sup>. Cell permeable.

**References:**

1. Bowers, E.M., et al., (2010) Chem. Biol., *17*: 471
2. Santer, F.R., et al., (2011) Mol. Cancer Ther., *10*: 1644
3. Marek, R., et al., (2011) J. Neurosci., *31*: 7486
4. Min, S.W., et al., (2010) Neuron, *67*: 953

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