
Product Data Sheet

Product Name: CP2
Cat. No.: GC25304

Chemical Properties

Cas. No. no CAS

Formula C92H120N24O26S M.Wt 2010.15

Solubility Water: 100 mg/mL (49.75 mM); Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

CP2 is a cyclic peptide that inhibits the JmjC histone demethylases KDM4 with IC50 values of 42 nM and 29 nM for KDM4A and KDM4C, respectively.

CP2 uniquely binds in the KDM4A substrate-binding pocket. It binds differently to, but competes with, histone substrates in the active site[1].

[1] Akane Kawamura, et al. Nature Communications. 2017.

Caution: Product has not been fully validated for medical applications. For research use only.

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