
Product Data Sheet

Product Name: N-Acetyldopamine dimer-2

Cat. No.: GC69530

Chemical Properties

Cas. No. 916888-49-8

Formula $C_{20}H_{20}N_2O_6$ M.Wt 384.38

Solubility 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**

IC50: 1.5 μM (copper-mediated LDL oxidation), 2.7 μM (AAPH-mediated LDL oxidation), 1.6 μM (SIN-1-mediated LDL oxidation)^[1]

N-Acetyldopamine dimer-2 (compound 2) is a *N*-acetyldopamine dimer that can be isolated from the yellow powder form *Periostracum Cicadae* with antioxidant and anti-inflammatory activities. N-Acetyldopamine dimer-2 inhibits oxidized low-density lipoprotein (LDL) oxidation, ROS generation, NO production, and

[1]. Xu MZ, et al. Antioxidant and anti-inflammatory activities of N-acetyldopamine dimers from *Periostracum Cicadae*. *Bioorg Med Chem*. 2006 Dec 1;14(23):7826-34.

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

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