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**Product Data Sheet**

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Product Name: KAT8-IN-1

Cat. No.: GC64990

**Chemical Properties**

Cas. No. 605-62-9

Formula C<sub>10</sub>H<sub>7</sub>NO<sub>3</sub>

M.Wt 189.17

Solubility DMSO : 100 mg/mL (528.63 mM; Need ultrasonic)

Storage 4°C, stored under nitrogen

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**

KAT8-IN-1 is a lysine (K) acetyltransferase 8 (KAT8) inhibitor, with IC<sub>50</sub>s of 141 μM (KAT8), 221 μM (KAT2B), 106 μM (KAT3B), respectively. KAT8 inhibits histone acetyltransferases (HATs), and could result in disease states, such as cancer or inflammatory diseases[1].

KAT8-IN-1 (compound 19) losses anti-oxidant activity (EC<sub>50</sub>>1 mM)[1].

[1]. Wapenaar H, et al. The relevance of Ki calculation for bi-substrate enzymes illustrated by kinetic evaluation of a novel lysine (K) acetyltransferase 8 inhibitor. Eur J Med Chem. 2017 Aug 18;136:480-486.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA