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## Product Data Sheet

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Product Name: HDAC3-IN-T247

Cat. No.: GC68010

### Chemical Properties

Cas. No. 1451042-18-4

Formula  $C_{21}H_{19}N_5OS$  M.Wt 389.47

Solubility DMSO : 25 mg/mL (64.19 mM; Need ultrasonic) 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

HDAC3-IN-T247 is a potent and selective **HDAC3** (histone deacetylase 3) inhibitor, with an **IC<sub>50</sub>** of 0.24 μM. HDAC3-IN-T247 induces a selective increase of NF-κB acetylation in HCT116 cells. HDAC3-IN-T247 shows anticancer and antiviral activity. HDAC3-IN-T247 inhibits growth of cancer cells, and activates HIV gene expression in latent HIV-infected cells<sup>[1]</sup>.

[1]. Suzuki T, et al. Identification of highly selective and potent histone deacetylase 3 inhibitors using click chemistry-based combinatorial fragment assembly. PLoS One. 2013 Jul 16;8(7):e68669.

**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