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**Product Data Sheet**

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Product Name: PARP1-IN-11

Cat. No.: GC68006

**Chemical Properties**

Cas. No. 2482484-87-5

Formula  $C_{16}H_{12}N_2O_4$  M.Wt 296.28

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**

PARP1-IN-11 (compound 49) is a potent **PARP1** inhibitor with **IC<sub>50</sub>** value of 0.082 μM. PARP1-IN-11 shows complete inhibition of PARP2 and substantially inhibits PARP3, TNKS1 and TNKS2<sup>[1]</sup>.

[1]. Shao X, et al. Synthesis of 2,3-dihydrobenzo[b][1,4]dioxine-5-carboxamide and 3-oxo-3,4-dihydrobenzo[b][1,4]oxazine-8-carboxamide derivatives as PARP1 inhibitors. *Bioorg Chem.* 2020 Sep;102:104075.

**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

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