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## Product Data Sheet

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Product Name: Sunvozertinib

Cat. No.: GC63521

### Chemical Properties

Cas. No. 2370013-12-8

Formula  $C_{29}H_{35}ClFN_7O_3$  M.Wt 584.08

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

Sunvozertinib is a potent ErbBs (EGFR, Her2, especially mutant forms) and BTK inhibitor. Sunvozertinib shows IC50s of 20.4, 20.4, 1.1, 7.5, and 80.4 nM for EGFR exon 20 NPH insertion, EGFR exon 20 ASV insertion, EGFR L858R and T790M mutations, and Her2 Exon20 YVMA, and EGFR WT A431, respectively (patent WO2019149164A1, example 52) [1].

Sunvozertinib shows GI50s of 60.4, 83.2, 3.3, 101.3, and 47.1 nM for EGFR exon NPH insertion, EGFR exon 20 ASV insertion, EGFR L858R and T790M mutations, and Her2 Exon20 YVMA, and EGFR WT A431, respectively. Sunvozertinib shows GI50s of 3.2, 5.8, 51.3, and 1983.5 nM for BTK WT OCI-LY-10, BTK WT TMD-8, BTK WT Ri-1, and non-BCR activated DB, respectively [1]. Sunvozertinib inhibits p-BTK with IC50 of 1.6 nM [1].

[1]. Zhengtao LI, et al. Erbb/btk inhibitors. WO2019149164A1.

**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