

Product Data Sheet

Product Name: PG 34
Cat. No.: GC71020

Chemical Properties

Cas. No. 1681056-62-1

Formula $C_{28}H_{25}N_3O_5S_2$ M.Wt 547.65

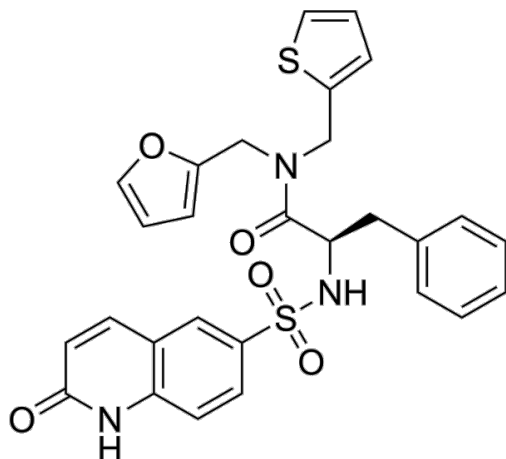
Solubility DMSO : 100 mg/mL (182.60 mM);
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

Storage 4°C, sealed storage, away from
moisture and light

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

PG 34 is a weak O-GlcNAc transferase (OGT) inhibitor ($IC_{50}=68 \mu M$), and a close structural analog of OSMI-1 .

PG34 (0.5-50 μM ; 24 h) shows no detectable inhibition of OGT in CHO cells, displays no effect on

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

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apoptotic signaling, and shows a moderate effect on cell viability only at the highest concentration^[1].

References:

[1]. Rodrigo F Ortiz-Meoz, et al. A small molecule that inhibits OGT activity in cells. ACS Chem Biol. 2015 Jun 19;10(6):1392-7.

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