

---

## Product Data Sheet

---

Product Name: CFTR corrector 8

Cat. No.: GC68282

### Chemical Properties

Cas. No. 1918142-35-4

Formula C<sub>29</sub>H<sub>27</sub>F<sub>2</sub>NO<sub>7</sub>

M.Wt 539.52

Solubility DMSO : 110 mg/mL (203.88 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

CFTR corrector 8 is a potent **CFTR** modulator. CFTR can be used in the research of cystic fibrosis<sup>[1]</sup>.

CFTR corrector 8 (compound 12) shows EC<sub>50</sub>s of 1 μM (CSE-HRP assay) and 3 μM (HBE-TECC assay) <sup>[1]</sup>.

CFTR corrector 8 exhibits hepatocyte clearance rate of 1250/775 L/hr/kg (human/rat)<sup>[1]</sup>.

[1]. Wang X, et al. Discovery of 4-[(2R,4R)-4-({[1-(2,2-Difluoro-1,3-benzodioxol-5-yl)cyclopropyl]carbonyl}amino)-7-(difluoromethoxy)-3,4-dihydro-2H-chromen-2-yl]benzoic Acid (ABBV/GLPG-2222), a Potent Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Corrector for the Treatment of Cystic Fibrosis. J Med Chem. 2018 Feb 22;61(4):1436-1449.

**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