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## Product Data Sheet

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Product Name: CFTR corrector 6

Cat. No.: GC62510

### Chemical Properties

Cas. No. 2226970-01-8

Formula  $C_{22}H_{13}F_4N_9$

M.Wt 479.39

Solubility DMSO : 100 mg/mL (208.60 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 6 is a potent potentiator of Cystic Fibrosis Transmembrane conductance Regulator (CFTR). CFTR corrector 6 has the potential for cystic fibrosis (CF) and other CFTR associated disorders research[1].

CFTR corrector 6 (Example 27) has EC50s of 1.25 nM and 1.27 nM for primary cystic fibrosis human bronchial epithelial (CF hBE) cells and fischer rat thyroid (FRT) cell lines[1].

[1]. Joseph Walter Strohbach, et al. Pyrrolopyrimidines as cftr potentiators.

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

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