

Product Data Sheet

Product Name: SLC26A3-IN-2

Cat. No.: GC71079

Chemical Properties

Cas. No. 950348-60-4

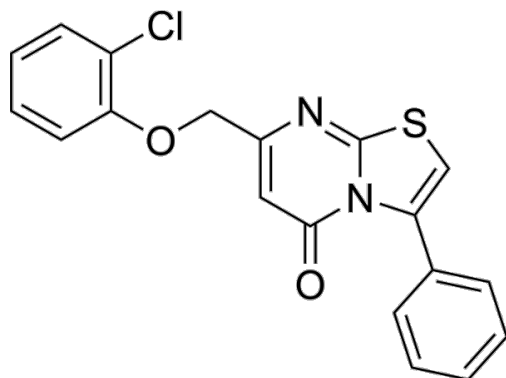
Formula $C_{19}H_{13}ClN_2O_2S$ M.Wt 368.84

Solubility DMSO : 16.67 mg/mL (45.20 mM);
ultrasonic and warming and heat to
60°C; Hygroscopic DMSO has a
significant impact on the solubility of
product, please use newly opened
DMSO)

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

SLC26A3-IN-2 is an orally active inhibitor of anion exchanger protein SLC26A3 (IC₅₀=360 nM). SLC26A3 belongs to solute carrier (SLC) proteins, and the SLC26 family. SLC26 family has broad anion specificity for chloride, bicarbonate, sulfate and oxalate. SLC26A3 down-regulates in adenoma,

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

Product Data Sheet

DRA, involves in intestinal absorption of chloride and oxalate. The loss of SLC26A3 function mutations is associated with chloride-losing diarrhea.

SLC26A3-IN-2 (compound 3a) (10 μ M; 10 min) produces 92% inhibition rate against SLC26A3 [1].

SLC26A3-IN-2 (10 mg/kg; po) significantly increases stool weight and number of pellets in a Loperamide -induced model of constipation in mice, demonstrating its efficacy in increasing stool hydration in mice^[1].

References:

[1]. Cil O, et al. Small molecule inhibitors of intestinal epithelial anion exchanger SLC26A3 (DRA) with a luminal, extracellular site of action. Eur J Med Chem. 2023 Mar 5;249:115149.

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