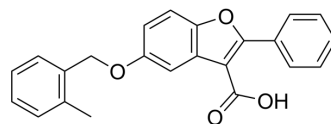


## SLC26A3-IN-1

Cat. No.:	HY-149802
CAS No.:	307552-53-0
Molecular Formula:	C <sub>23</sub> H <sub>18</sub> O <sub>4</sub>
Molecular Weight:	358.39
Target:	GLUT
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	SLC26A3-IN-1 is an inhibitor of anion exchanger protein SLC26A3 (IC <sub>50</sub> =340 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, DRA, involves in intestinal absorption of chloride and oxalate. The loss of SLC26A3 function mutations is associated with chloride-losing diarrhea <sup>[1]</sup> .
<b>In Vitro</b>	SLC26A3-IN-1 (compound 4a) (10 μM; 10 min) produces 87% inhibition rate against SLC26A3 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### 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.**

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