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## Product Data Sheet

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Product Name: BAY-8002

Cat. No.: GC19488

### Chemical Properties

Cas. No. 724440-27-1

SMILES O=C(O)C1=CC=CC=C1NC(C2=CC(S(=O)(C3=CC=CC=C3)=O)=CC=C2Cl)=O

Formula  $C_{20}H_{14}ClNO_5S$  M.Wt 415.85

Solubility Soluble in DMSO Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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

BAY-8002 is a potent, selective, orally active inhibitor of monocarboxylate transporter 1 (MCT1), with an  $IC_{50}$  of 85 nM in the MCT1-expressing DLD-1 cells, displays excellent selectivity against MCT4. Anti-tumor activity[1].

BAY-8002 is an inhibitor of MCT1, with an  $IC_{50}$  of 85 nM in the MCT1-expressing DLD-1 cells, displays excellent selectivity against MCT4 ( $IC_{50} > 50 \mu M$  in EVSA-T cells)[1].

Reference:

[1]. Quanz M, et al. Preclinical Efficacy of the Novel Monocarboxylate Transporter 1 Inhibitor BAY-8002 and Associated Markers of Resistance. Mol Cancer Ther. 2018 Nov;17(11):2285-2296.

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

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