

Product Data Sheet

Product Name: CBR-470-2

Cat. No.: GC61636

Chemical Properties

Cas. No. 2416095-00-4

SMILES OC(CN[C@@H](C1)[C@@H](S(C2=CC=C(C(Cl)C(Cl)=C2)(=O)=O)CS1(=O)=O)=O

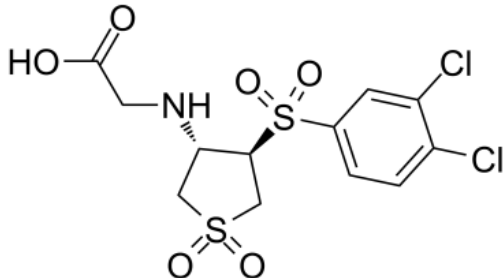
Formula $C_{12}H_{13}Cl_2NO_6S_2$ M.Wt 402.27

Solubility DMSO: 200 mg/mL (497.18 mM) Storage 4°C, stored under nitrogen

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

CBR-470-2, a glycine-substituted analog, can activate NRF2 signaling. CBR-470-2 can be used for the research of modulation glycolysis[1].

CBR-470-2 (1-10 μM; 24 h) increases transcript levels of the NRF2-responsive genes NQO1 and HMOX1 in epidermal keratinocytes and dermal fibroblasts[1].

CBR-470-2 (50 mg/kg; p.o. twice daily for 10 d) induces activation of NRF2 signaling in vivo[1].

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

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Animal Model: Balb/C mice (5-week old) are exposed to UVB[1]

[1]. Bollong MJ, et, al. A metabolite-derived protein modification integrates glycolysis with KEAP1-NRF2 signalling. Nature. 2018 Oct;562(7728):600-604.

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