

Product Data Sheet

Product Name: CNBSF
Cat. No.: GC91904

Chemical Properties

Cas. No. 3829-23-0

Chemical Name 2-chloro-5-nitro-benzenesulfonyl fluoride

SMILES C1C(C(S(=O)(F)=O)=C1)=CC=C1[N+](O-)=O

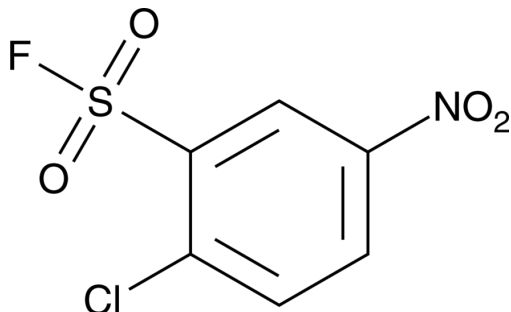
Formula $C_6H_3ClFNO_4S$ M.Wt 239.6

Solubility Storage $-20^{\circ}C$

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

CNBSF is an irreversible inhibitor of glutathione S-transferase π 1-1 (GSTP1-1) and GST α 1-1 (GSTA1; IC_{50} s = 21 and $1.4 \mu M$, respectively).¹

References:

[1]. Shishido, Y., Tomoike, F., Kuwata, K., et al. A covalent inhibitor for glutathione S-transferase π 1-1 (GSTP1-1) in human cells. *ChemBioChem* 20(7):900-905 (2019).

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

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