
Product Data Sheet

Product Name: NBC 19
Cat. No.: GC50556

Chemical Properties

Cas. No. 2068818-75-5

SMILES CC(C1=C(C(Cl)(Cl)Cl)N[B-](C2=CC=CC=C2)(C3=CC=CC=C3)[O+]=C1NC4CCCCC4)=O

Formula $C_{24}H_{26}BCl_3N_2O_2$ M.Wt 491.64

Solubility Soluble in DMSO Storage Store at -20°C

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

Potent NLRP3 inflammasome inhibitor (IC₅₀ = 60-80 nM). Inhibits nigericin- and ATP-induced IL-1β release.

Baldwin et al (2017) Boron-Based Inhibitors of the NLRP3 Inflammasome. Cell Chem.Biol. 24 1321 PMID:28943355 | Redondo-Castro et al (2018) Development of a characterised tool kit for the interrogation of NLRP3 inflammasome-dependent responses. Sci.Rep. 8 5667 PMID:29618797

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