

Product Data Sheet

Product Name: Cimlanod

Cat. No.: GC39360

Chemical Properties

Cas. No. 1620330-72-4

SMILES O=S(C1=CC=C(O1)C)(NO)=O

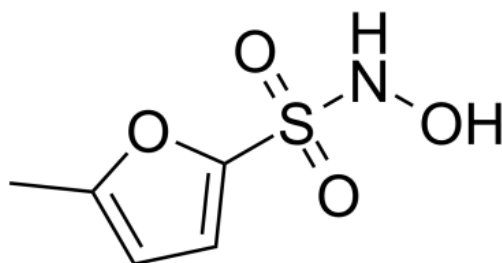
Formula C5H7NO4S M.Wt 177.18

Solubility DMSO: 125 mg/mL (705.50 mM) Storage 4°C, protect from light, 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

Cimlanod (BMS-986231) is a second-generation Nitroxyl (HNO) donor for heart failure. Cimlanod (BMS-986231) delivers HNO via pH-dependent chemical breakdown when exposed to the neutral pH environment of the bloodstream. Cimlanod (BMS-986231) possesses positive lusitropic and inotropic as well as vasodilatory effects[1][2].

[1]. Cowart D, et al. A Phase 1 Randomized Study of Single Intravenous Infusions of the Novel

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

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Nitroxyl Donor BMS-986231 in Healthy Volunteers. J Clin Pharmacol. 2019 May;59(5):717-730. [2].
Felker GM, et al. Rationale and design for the development of a novel nitroxyl donor in patients with acute heart failure. Eur J Heart Fail. 2019 Aug;21(8):1022-1031.

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