

Product Data Sheet

Product Name: CORM-3

Cat. No.: GC38031

Chemical Properties

Cas. No. 475473-26-8

SMILES O#C[Ru+2](C#O)([Cl-])([O-]C1=O)([N]([H])([H])C1)C#O

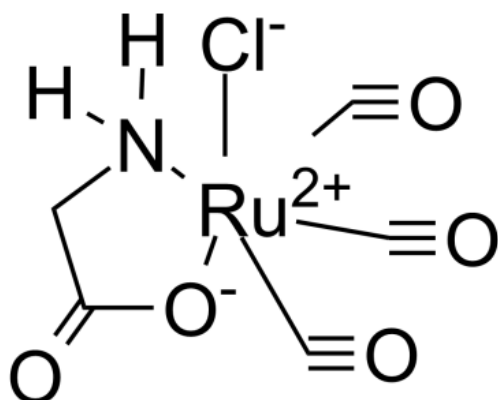
Formula $C_5H_4ClNO_5Ru$ M.Wt 294.61

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

CORM-3, a water-soluble carbon monoxide-releasing molecule, attenuates NF-κB p65 nuclear translocation, reduces ROS generation and enhances intracellular glutathione and superoxide dismutase levels[1][2][3].

[1]. Foresti R, et al. Vasoactive properties of CORM-3, a novel water-soluble carbon monoxide-releasing molecule. Br J Pharmacol. 2004 Jun;142(3):453-60. [2]. Lee DW, et al. Carbon monoxide regulates glycolysis-dependent NLRP3 inflammasome activation in macrophages. Biochem Biophys

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

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Res Commun. 2017 Nov 18;493(2):957-963. [3]. Huang Y, et al. Carbon monoxide (CO) inhibits hydrogen peroxide (H₂O₂)-induced oxidative stress and the activation of NF-κB signaling in lens epithelial cells. Exp Eye Res. 2018 Jan;166:29-39.

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