

Product Data Sheet

Product Name: 4-Chlorocatechol

Cat. No.: GC60513

Chemical Properties

Cas. No. 2138-22-9

SMILES OC1=CC=C(Cl)C=C1O

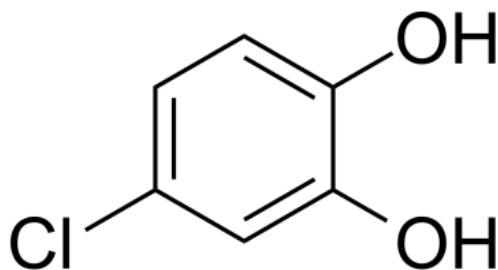
Formula $C_6H_5ClO_2$ M.Wt 144.56

Solubility DMSO : 100 mg/mL (691.75 mM; Need ultrasonic) Storage 4°C, stored under nitroge

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

4-Chlorocatechol is a major degradation product of 4-chloro-2-aminophenol (4C2AP). 4-Chlorocatechol is also a substrate for catechol 1,2-dioxygenases and chlorocatechol dioxygenase[1][2].

[1]. Pankaj Kumar Arora, et al. Novel degradation pathway of 4-chloro-2-aminophenol via 4-chlorocatechol in Burkholderia sp. RKJ 800. Environ Sci Pollut Res Int. 2014 Feb;21(3):2298-2304.

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

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[2]. Raffaella Caglio, et al. Fine-tuning of catalytic properties of catechol 1,2-dioxygenase by active site tailoring. Chembiochem. 2009 Apr 17;10(6):1015-24.

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