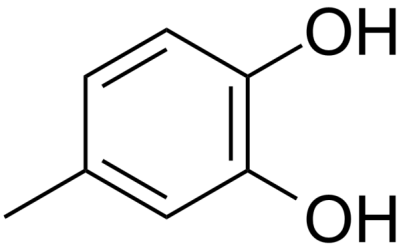


## Certificate of Analysis

Catalog Number	BP16300
Product Name	4-Methylcatechol

## Physical and Chemical Properties

Synonyms	p-Methylcatechol, 4-methylbenzene-1,2-diol, 3,4-Dihydroxytoluene, Homocatechol
CAS No.	452-86-8
Chemical Formula	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>
Molecular Weight	124.139
Solubility	Ethanol: Soluble DMSO: 10 mM H <sub>2</sub> O: Soluble
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	4-methylcatechol is a metabolite of homoprotocatechuic acid. It is both a substrate and a suicide inhibitor of Catechol 2,3-dioxygenase. 4-methylcatechol is known to induce the production of brain-derived neurotrophic factor (BDNF). Recent studies have suggested that a lack of brain-derived neurotrophic factor (BDNF) in the limbic system may cause neuropathic pain.
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## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022