

Product Name	: 4-Methylcatechol
Synonyms	: p-Methylcatechol; 3,4-Dihydroxytoluene; Homocatechol; 4-methylbenzene-1,2-diol
Cat No.	: M19606
CAS Number	: 452-86-8
Molecular Formula	: C ₇ H ₈ O ₂
Formula Weight	: 124.14
Chemical Name	: —
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.
Pathway	: Others
Target	: Other Targets
Receptor	: Catechol 2,3-Dioxygenase
Solubility	: DMSO: 10 mM; Water: Soluble; Ethanol: Soluble
SMILES	: <chem>Cc1ccc(O)c(O)c1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Okuta A et al. Construction of chimeric catechol 2,3-dioxygenase exhibiting improved activity against the suicide inhibitor 4-methylcatechol. Appl Environ Microbiol. 2004 Mar; 70(3):1804-10.