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Product Specifications

Catalogue Number	42416
Product	(-)-Epicatechin (-)- <i>cis</i> -3,3',4',5,7-Pentahydroxyflavane
CAS Number	490-46-0
Molecular Formula	C ₁₅ H ₁₄ O ₆
Molecular Weight	290.27

Warnings	<i>Air sensitive! Heat sensitive! Store under inert gas!</i>
Appearance	White, light yellow or light orange crystalline powder
Solubility	Soluble in methanol
Melting Point	240 °C (dec.)
Elemental Analysis (Found)	C=60.5 - 63.6%
Optical Rotation	$\alpha_{D}^{20} = -46$ to -56° (C=0.1 in MeOH)
¹H NMR	Coforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 2 - 8 °C
Additional Information	$\lambda_{max} = 280$ (MeOH) nm

For Laboratory Use Only