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Product Specifications

Catalogue Number	42429
Product	(-)-Epigallocatechin gallate hydrate (-)- <i>cis</i> -3,4-Dihydro-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-1(2 <i>H</i>)-EGCG hydrate
CAS Number	989-51-5
Molecular Formula	C ₂₂ H ₁₈ O ₁₁ ·xH ₂ O
Molecular Weight	458.38

Warnings	<i>Light sensitive!</i>
Appearance	White, light yellow or light orange crystalline powder
Solubility	Soluble in ethanol
Melting Point	212 °C
Water Content (Karl Fisher)	≤ 5%
Optical Rotation	$\alpha_{D}^{20} = -186$ to -165° (C=1 in EtOH)
¹H NMR	Coforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 2 - 8 °C

For Laboratory Use Only