

4"-C18 EGCG

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	4"-C18 EGCG is an effective inhibitor of α -amylase and α -glucosidase, with IC50 values of 3.74 μ M and 0.81 μ M respectively. It inhibits carbohydrate-hydrolyzing enzymes, reducing oxidative stress and inflammation, and demonstrates anti-diabetic activity. Additionally, 4"-C18 EGCG downregulates pro-inflammatory cytokines and exhibits cytotoxicity at 50 μ M in primary human peripheral blood mononuclear cells (PBMC), and non-cancerous cell lines 3T3-L1 and HEK 293.
Targets(IC50)	Glucosidase

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481