

**Product Name:** Probucol

**Cat. No.:** BIAMA-2505-CXX-6

**Package:** 1 g/10 g

## Description

An antilipidemic drug that inhibits LDL cholesterol oxidation, preventing foam cell formation and atherosclerotic lesions. It inhibits ABCA1-mediated cholesterol efflux without affecting scavenger receptor-mediated efflux. Protects neurons from peroxide-induced damage and activates glutathione peroxidase-1.

## Product Details

**Formal Name:** 4, 4'-[(1-Methylethylidene)bis(thio)]bis[2, 6-bis(1, 1-dimethylethyl)-phenol]

**Synonyms:** DH-581

**Purity:** >98%

**CAS Number:** 23288-49-5

**Formula:** C<sub>31</sub>H<sub>48</sub>O<sub>2</sub>S<sub>2</sub>

**Molecular Weight:** 516.8

**Appearance:** Powder

**Solubility:** Dissolves in DMSO (up to 100 mg/mL), in ethanol (up to 50 mg/mL)

**Stability:** ≥ 2 years

**Application Procedures:** First, dissolve in DMSO (100 mg/mL), or in Ethanol (50 mg/mL), and then dilute it into an aqueous buffer. Solutions in DMSO or ethanol can be stored at -20°C for up to 1 month.

**Storage Information:** Room Temperature

## Application

Blocks oxidation of cholesterol

 For preclinical research and development use only; not intended for therapeutic or other applications.