

Germanium Sesquioxide (Ge-132)

Cat. No. GSGZ-0002

Lot. No. (See product label)

Introduction

Description

Germanium Sesquioxide (Ge-132) is a white crystalline organogermanium compound in powder form.

Applications

Specialty chemical formulation and laboratory research.

Synonyms

Bis(2-Carboxyethylgermanium) Sesquioxide; Carboxyethylgermanium Sesquioxide; Ge-132; Propagermanium

Product Information

Appearance

White crystalline powder

Form

Powder

CAS No.

12758-40-6

Molecular Formula

$C_6H_{10}Ge_2O_7$

Chemical Name

3-[[2-Carboxyethyl(oxo)germyl]oxy-oxogermyl]propanoic acid

Molecular Weight

339.4 g/mol

Structure

Organogermanium sesquioxide containing carboxyethyl groups linked through a Ge-O-Ge framework.

Function

Organogermanium specialty compound

Melting Point

Approximately 330 °C (decomposition)

Solubility

Water solubility has been reported at approximately 1.28 g/100 mL; virtually insoluble in most common organic solvents.

Notes

The designation Ge-132 refers here to the organic carboxyethylgermanium compound, not inorganic Ge_2O_3 .

Storage and Shipping Information

Storage

Store tightly closed in a cool, dry place away from direct light.