

For Research Use Only

(2R,3R)-Butane-2,3-diol



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Catalog Number: CM02124

产品信息

Catalog Number:
CM02124

CAS号:
24347-58-8

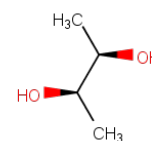
分子式:
C₄H₁₀O₂

主要靶点:
Endogenous Metabolite|Others

主要通路:
代谢|其他

分子量:
90.12

溶解度:
DMSO:60 mg/mL (665.76 mM)



体内活性

In vivo studies indicate that D-Asp indirectly stimulates spermatogenesis through the hypothalamic-pituitary-gonadal axis. The oral and/or intraperitoneal D-Asp administration to adult rats induced an increase of serum progesterone and LH as well as an increase of testis/serum testosterone levels, whereas 17 β -estradiol (E2) levels did no change.

描述

(2R,3R)-Butane-2,3-diol (levo-2,3-Butanediol) is found in cocoa and cocoa products. (2R,3R)-2,3-Butanediol is isolated from cocoa butter and roots of *Ruta graveolens* (rue). 2,3-Butanediol is one of the constitutional isomers of butanediol. The 2R,3R stereoisomer of 2,3-butanediol is produced by a variety of microorganisms, in a process known as butanediol fermentation. It is found in cocoa butter and in the roots of *Ruta graveolens*.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years

For technical support and original validation data for this product please contact

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