

Adonitol

Cell Culture Tested

Product Code: TC086

Product Description :

Molecular Formula : $C_5H_{12}O_5$

Molecular weight : 152.15

CAS No : 488-81-3

Synonyms : Adonite, Ribitol

Adonitol, a crystalline pentose alcohol formed by reduction of ribose, is found in cell walls of Gram positive bacteria. Adonitol permeates cell membranes, and thus can be used as a cryoprotectant. These compounds offers cryoprotection through interactions of their many hydroxyl groups forming hydrogen bonds with the cellular membranes as well as water.

Directions :

Adonitol is completely soluble in water at 5gm/100ml

Quality Control:

Appearance

White powder.

Solubility

Clear Colourless Solution at 5 g/100ml of water .

Assay

NLT 99%

Cell Culture Test

Passes

Storage and Shelf Life:

Store at 15°-30°C.

Shelf life of product is 48 months.

Use before expiry date given on the product label.

Disclaimer :

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