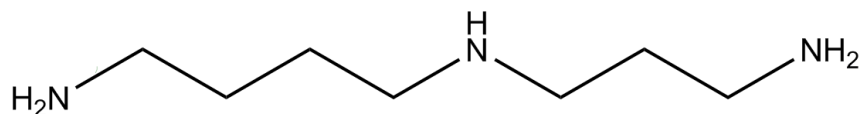


Product Information Sheet



S837
Spermidine, Free Base

Synonym: N-(3-Aminopropyl)-1,4-butanediamine
CAS: 124-20-9
Formula: C₇H₁₉N₃
Molecular Wt: 145.25

Properties:

Form: Solid that melts at Room Temperature
Appearance: Colorless Solid to Colorless, Clear Liquid at Ambient Temperatures
Application: Polyamine – Plant Growth Regulator
Solubility: Water
Storage Temp: 2 to 6° C
Storage Temp of Stock Solution: – 20° C
Other Notes: Melting point: 22 – 25° C
Plant Tissue Culture Tested

Application Notes:

Spermidine is a polyamine, specifically a triamine that has been shown to be involved with floral initiation from vegetative buds in Tobacco (Kaur-Sawhney *et al.* 1988).

Since this product can exist as a liquid or semi-solid at room temperature it is typically melted in a warm water bath (or by holding the bottle in your hand) and then weighed as a liquid.

References

Merck 13, 8816

R Kaur-Sawhney, AF Tiburcio, and AW Galston (1988) *Planta* Vol. 173(2) pg. 282-284.

PhytoTechnology Laboratories®

P.O. Box 12205 • Shawnee Mission, KS • 66282-2205

Phone: 1-913-341-5343 or 1-888-749-8682 (U.S. Only) Fax: 1-913-341-5442 or 1-888-449-8682 (U.S. Only)

Web Site: www.phytotechlab.com

© 2014 PhytoTechnology Laboratories, LLC™