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**Product Data Sheet**

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Product Name: N1,N12-Diethylspermine tetrahydrochloride

Cat. No.: GC13356

**Chemical Properties**

Cas. No. 113812-15-0

Chemical Name N1,N1'-(butane-1,4-diyl)bis(N3-ethylpropane-1,3-diamine) tetrahydrochloride

SMILES CCNCCCNCCCCNCCCNCC.CI.CI.CI.CI

Formula C<sub>14</sub>H<sub>34</sub>N<sub>4</sub>.4HCl M.Wt 404.29

Solubility Soluble to 100 mM in sterile water Storage Store at RT

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure 

**Caution: Product has not been fully validated for medical applications. For research use only.**

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