
Product Data Sheet

Product Name: Neamine (hydrochloride)

Cat. No.: GC18489

Chemical Properties

Cas. No. 15446-43-2

Chemical Name 2-deoxy-4-O-(2,6-diamino-2,6-dideoxy- α -D-glucopyranosyl)-D-streptamine, tetrahydrochlorideSMILES O[C@H]1[C@H](O[C@@]2([H])O[C@H](CN)[C@@H](O)[C@H](O)[C@H]2N)[C@@H](N)C[C@@H](N)[C@@H]1O.Cl.Cl.Cl.ClFormula $C_{12}H_{26}N_4O_6 \cdot 4HCl$

M.Wt 468.2

Solubility PBS (pH 7.2): 10 mg/ml

Storage Store at $-20^{\circ}C$ General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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 **Background**

Neamine is a natural degradation product of neomycin and is a common core molecule used in the synthesis of aminoglycoside antibiotics. Formulations containing neamine are used as antibiotic agents.

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

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