Product Data Sheet

Product Name: SF2312 ammonium
Cat. No.: GC72884

Chemical Properties

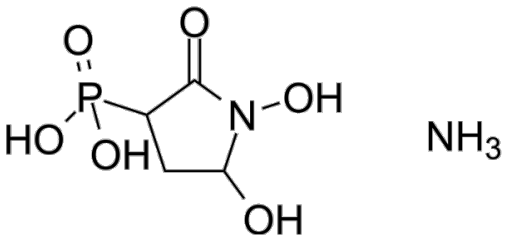
Cas. No.

Formula	$C_4H_{11}N_2O_6P$	M.Wt	214.11
Solubility	H_2O : ≥ 30 mg/mL (140.11 mM)	Storage	-20°C, protect from light, stored under nitrogen

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



Background

Product Data Sheet

SF2312 ammonium is the ammonium form of SF2312. SF2312 is a phosphonate antibiotic and enolase inhibitor. SF2312 can be isolated from actinomycete Micromonospora, which is active under anaerobic conditions. SF2312 is selectively toxic to ENO1-deleted glioma cells.

References:

[1]. Leonard PG, et al. SF2312 is a natural phosphonate inhibitor of enolase. Nat Chem Biol. 2016 Dec;12(12):1053-1058.

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

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