

Product Data Sheet

Product Name: SF2312 ammonium

Cat. No.: GC72884

Chemical Properties

Cas. No.

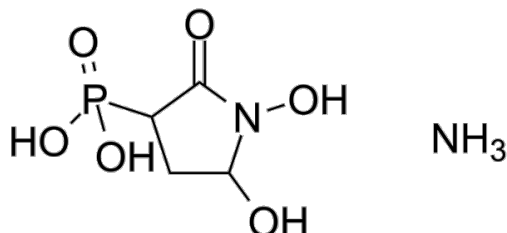
Formula $C_4H_{11}N_2O_6P$ M.Wt 214.11

Solubility $H_2O : \geq 30 \text{ mg/mL (140.11 mM)}$ 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

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

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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.

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