

Product Data Sheet

Product Name: 1'-epi Gemcitabine hydrochloride

Cat. No.: GC74183

Chemical Properties

Cas. No. 122111-05-1

Formula $C_9H_{12}ClF_2N_3O_4$

M.Wt 299.66

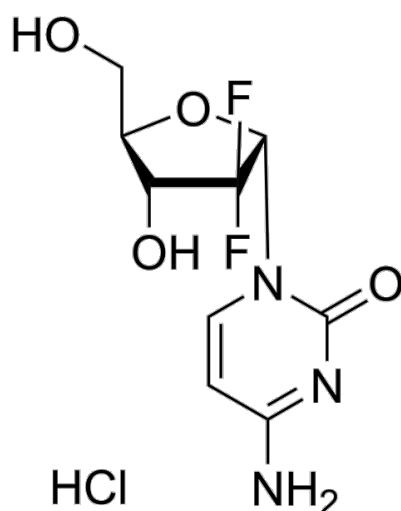
Solubility

Storage -20°C, sealed storage, away from moisture

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

1'-epi Gemcitabine drochloride is the isomer of Gemcitabine drochloride , and can be used as an

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

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experimental control. Gemcitabine drochloride (LY 188011 drochloride) is a pyrimidine nucleoside analog antimetabolite and an antineoplastic agent. Gemcitabine drochloride inhibits DNA synthesis and repair, resulting in autophagy and apoptosis.

References:

- [1]. Yip-Schneider MT, et al. Dimetlaminoparthenolide and Gemcitabine: a survival study using a genetically engineered mouse model of pancreatic cancer. BMC Cancer. 2013 Apr 17;13:194.
- [2]. Lou M, et al. Psical interaction between human ribonucleotide reductase large subunit and thioredoxin increases colorectal cancer malignancy. J Biol Chem. 2017 Jun 2;292(22):9136-9149.
- [3]. Gagnadoux F, et al. Safety of pulmonary administration of gemcitabine in rats. J Aerosol Med. 2005 Summer;18(2):198-206
- [4]. Wang H, et al. Enhanced efficacy of Gemcitabine by indole-3-carbinol in pancreatic cell lines: the role of human equilibrative nucleoside transporter 1. Anticancer Res. 2011 Oct;31(10):3171-80

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