

Product Data Sheet

Product Name: Altretamine hydrochloride

Cat. No.: GC35310

Chemical Properties

Cas. No. 2975-00-0

SMILES CN(C)C1=NC(N(C)C)=NC(N(C)C)=N1.Cl

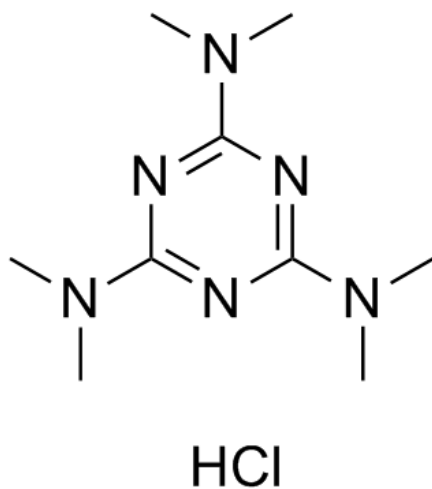
Formula $C_9H_{19}ClN_6$ M.Wt 246.74

Solubility Soluble in DMSO Storage Store at -20°C

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



Protocol

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Animal experiment: Mice[1] Balb/c nu/nu 4 week old female mice weighing 18-22 g, receive s.c. injections of 8-10 million MV522 cells. Altretamine is administered i.p. three times a week for 3 weeks, starting on day 10 after tumor implantation. Tumor size is measured in two perpendicular diameters and tumor weight (TW) estimated according to the formula: $w = [(width)^2 \times length/2]$. Altretamine is prepared as stock solutions of 1-10 mg/mL in 40% DMSO/normal saline and diluted with 10% DMSO/normal saline as required[1].

References:

[1]. Kelner MJ, et al. Synergy of irofulven in combination with other DNA damaging agents: synergistic interaction with altretamine, alkylating, and platinum-derived agents in the MV522 lung tumor model. *Cancer Chemother Pharmacol.* 2008 Dec;63(1):19-26.

Background

Altretamine hydrochloride is an alkylating antineoplastic agent.

Altretamine hydrochloride is an antineoplastic agent[1].

Altretamine (100, 133 mg/kg, ip.) in combination with Irofulven, increases the antitumor effect in mice bearing MV522 cells[1].

[1]. Kelner MJ, et al. Synergy of irofulven in combination with other DNA damaging agents: synergistic interaction with altretamine, alkylating, and platinum-derived agents in the MV522 lung tumor model. *Cancer Chemother Pharmacol.* 2008 Dec;63(1):19-26.

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