

Product Data Sheet

Product Name: RRD-251

Cat. No.: GC62269

Chemical Properties

Cas. No. 72214-67-6

Formula $C_8H_9Cl_3N_2S$

M.Wt 271.59

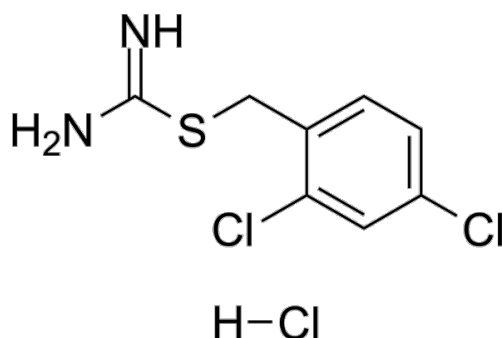
Solubility

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

RRD-251 is an inhibitor of retinoblastoma tumor suppressor protein (Rb)-Raf-1 interaction, with potent anti-proliferative, anti-angiogenic and anti-tumor activities[1].

RRD-251 (10-50 μM ; 24 hours) inhibits melanoma growth in-vitro[1]. RRD-251 (50 μM ; 2 hours) inhibits Rb-Raf-1 interaction and Rb phosphorylation in non-small cell lung cancer cells[1]. RRD-251 induces apoptosis (50 μM ; 18 hours) and cell cycle arrest (20-50 μM ; 4 hours)[1]. RRD-251 alters the expression of cell cycle and apoptosis regulatory protein[1].

RRD-251 (50 mg/kg; i.p.; q.o.d; for 14 days) has anti-cancer activities in vivo on melanomas[1].

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

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[1]. Sandeep Singh, et al. Rb-Raf-1 interaction disruptor RRD-251 induces apoptosis in metastatic melanoma cells and synergizes with dacarbazine. Mol Cancer Ther. 2010 Dec; 9(12): 3330-3341.

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