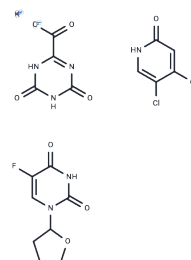


Tegafur-gimeracil-oteracil potassium

Chemical Properties

CAS No. :	150863-82-4
Formula:	C17H15ClFKN6O9
Molecular Weight:	540.89
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Tegafur-gimeracil-oteracil potassium (TS-1) is a complex composed of Tegafur, Gimeracil, and Oteracil potassium in a molar ratio of 1:0.4:1. TS-1 is an orally active anticancer agent containing a fluoropyrimidine antagonist and a 5-FU modulator, primarily used in the study of metastatic cancers.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	H2O: 4 mg/mL (7.4 mM), Sonication is recommended. DMSO: < 1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8488 mL	9.244 mL	18.488 mL
5 mM	0.3698 mL	1.8488 mL	3.6976 mL
10 mM	0.1849 mL	0.9244 mL	1.8488 mL
50 mM	0.037 mL	0.1849 mL	0.3698 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Osugi H, et al. Oral fluoropyrimidine anticancer drug TS-1 for gastric cancer patients with peritoneal dissemination. *Oncol Rep.* 2002 Jul-Aug;9(4):811-5.

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