

---

**Product Data Sheet**

---

Product Name: 2'-Fluorothymidine

Cat. No.: GC35089

**Chemical Properties**

Cas. No. 122799-38-6

SMILES OC[C@@H]1[C@H]([C@@H](F)[C@H](N2C(NC(C(C)=C2)=O)=O)O1)OFormula  $C_{10}H_{13}FN_2O_5$  M.Wt 260.22

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 **Background**

2'-Fluorothymidine (2'-Fluoro-2'-deoxythymidine), a bioisostere of both thymidine (TdR) and methyluridine, is a putative highly selective substrate for thymidine kinase type 2 (TK2)[1].

[1]. Wiebe LI, et al. Biochemistry and biology of 2'-Fluoro-2'-deoxythymidine (FT), a putative highly selective substrate for thymidine kinase type 2 (TK2). Curr Radiopharm. 2012 Jan;5(1):38-46.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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