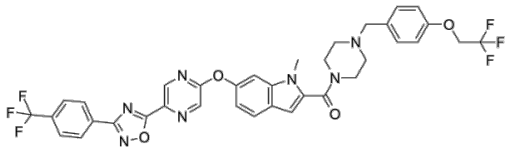
Product Data Sheet

Product Name: STAT3-IN-25
Cat. No.: GC73877

Chemical Properties

Cas. No.	2591440-75-2		
Formula	$C_{36}H_{29}F_6N_7O_4$	M.Wt	737.65
Solubility	DMSO : 5 mg/mL (6.78 mM; ultrasonic and warming and heat to 60°C)	Storage	-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

STAT3-IN-25 (compound 2p) is a potent STAT3 inhibitor with a p-trifluoroethoxy benzyl substituent. STAT3-IN-25 shows STAT3 luciferase inhibition activity using HEK293T cells with an IC50 of 22.3 nM and ATP production inhibition activity using BxPC-3 cells with an IC50 of 32.5 nM. STAT3-IN-25 shows potent antiproliferation activities on BxPC-3 and Capan-2 cells. STAT3-IN-25 has the potential for pancreatic cancer research.

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

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References:

[1]. Peng He, et al. Discovery of a Highly Potent and Orally Bioavailable STAT3 Dual Phosphorylation Inhibitor for Pancreatic Cancer Treatment. J Med Chem. 2022 Nov 24;65(22):15487-15511.

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