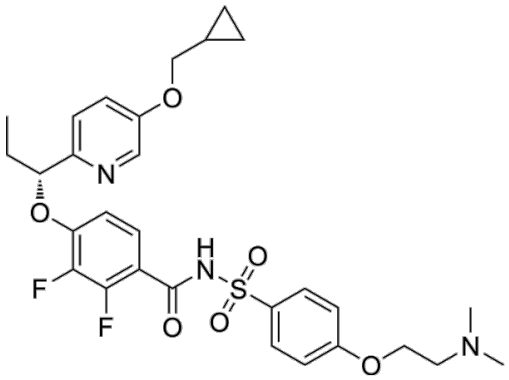
Product Data Sheet

Product Name: ACSL5-IN-2
Cat. No.: GC81627

Chemical Properties

Cas. No.	3098297-74-3		
Formula	$C_{29}H_{33}F_2N_3O_6S$	M.Wt	589.65
Solubility	DMSO: 25 mg/mL (42.40 mM; Need ultrasonic)	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

ACSL5-IN-2 is a ACSL5 inhibitor that reduces the average body weight of diet-induced obese mice. ACSL5-IN-2 can be used for research on obesity [1] [2].

Product Data Sheet

In Vivo, ACSL5-IN-2 (compound B) reduces the average body weight of diet-induced obese mice within 28 days; it decreases blood glucose levels in the OGTT test and antagonizes insulin-induced blood glucose reduction in the ITT test; it reduces the epididymal fat weight and epididymal fat coefficient of mice, with no significant effect on liver or heart weight[2].

In Vitro, ACSL5-IN-2 exhibits excellent inhibitory activity against ACSL5 and CBA targets, with an IC_{50} of less than 100 nM [1].

References:

[1]. Ji N, et al. Smarca degraders and uses thereof. US20230072658A1. USPTO. 2023.
[2]. Levy TB, et al. Compounds and methods of their use. WO2025174957A1. WIPO. 2025.

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