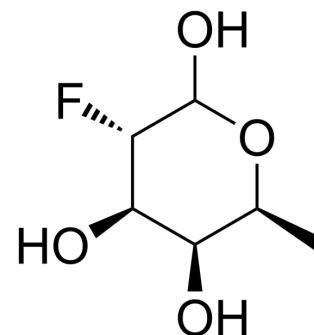


SGN-2FF

Cat. No.:	HY-107366		
CAS No.:	2089647-47-0		
Molecular Formula:	C ₆ H ₁₁ FO ₄		
Molecular Weight:	166.15		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (300.93 mM; Need ultrasonic)
 H₂O : 36.67 mg/mL (220.70 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.0187 mL	30.0933 mL	60.1866 mL
	5 mM	1.2037 mL	6.0187 mL	12.0373 mL
	10 mM	0.6019 mL	3.0093 mL	6.0187 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 50 mg/mL (300.93 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

SGN-2FF is a potent and orally active inhibitor of fucosylation, directly inhibits fucosyltransferase activity. SGN-2FF possesses antitumor activity^[1].

IC₅₀ & Target

Fucosyltransferase^[1]

In Vitro

SGN-2FF (2-Fluorofucose) is an inhibitor of fucosylation, inhibits cellular fucosylation by depleting the fucosylation substrate GDP-fucose, and by direct inhibition of fucosyltransferases, and leads to the production of afucosylated glycoproteins including antibodies. SGN-2FF activates human T cells in an antigen-dependent manner^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

SGN-2FF exhibits antitumor activity in multiple mouse tumor models, showing substantial tumor growth delay. SGN-2FF

elevates the protective effect of a lymphoma vaccine in a syngeneic mouse model^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Stephen C. Alley, et al. Abstract DDT02-02: SGN-2FF: A novel small molecule inhibitor of fucosylation with preclinical antitumor activity through multiple immune mechanisms. Cancer Res 2017;77(13 Suppl).

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

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