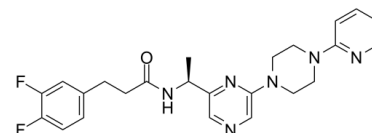


## Data Sheet

<b>Product Name:</b>	(-)-(S)-B-973B
<b>Cat. No.:</b>	CS-0081002
<b>CAS No.:</b>	2244989-34-0
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>26</sub> F <sub>2</sub> N <sub>6</sub> O
<b>Molecular Weight:</b>	452.50
<b>Target:</b>	nAChR
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Solubility:</b>	DMSO : 67.5 mg/mL (149.17 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

(-)-(S)-B-973B is a potent allosteric agonist and positive allosteric modulator of **α7 nAChR**, with antinociceptive activity<sup>[1]</sup>. IC<sub>50</sub> & Target: α7 nAChR<sup>[1]</sup>

### References:

[1]. Garai S, et al. B-973, a Novel α7 nAChR Ago-PAM: Racemic and Asymmetric Synthesis, Electrophysiological Studies, and in Vivo Evaluation. ACS Med Chem Lett. 2018 Oct 11;9(11):1144-1148.

### CAIndexNames:

Benzenepropanamide, 3,4-difluoro-N-[(1S)-1-[6-[4-(2-pyridinyl)-1-piperazinyl]-2-pyrazinyl]ethyl]-

### SMILES:

O=C(N[C@H](C1=NC(N2CCN(C3=NC=CC=C3)CC2)=CN=C1)C)CCC4=CC=C(F)C(F)=C4

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

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