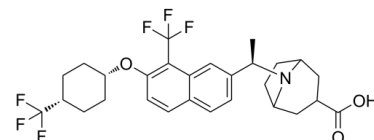


## Data Sheet

<b>Product Name:</b>	Autotaxin modulator 1
<b>Cat. No.:</b>	CS-4200
<b>CAS No.:</b>	1548743-69-6
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>31</sub> F <sub>6</sub> NO <sub>3</sub>
<b>Molecular Weight:</b>	543.54
<b>Target:</b>	Phosphodiesterase (PDE)
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Solubility:</b>	DMSO : 100 mg/mL (ultrasonic)



### BIOLOGICAL ACTIVITY:

Autotaxin modulator 1 is an **autotaxin (ATX)** enzyme inhibitor, extracted from patent WO 2014018881 A1, Compound Example 12b. Autotaxin modulator 1 is expected to be useful for researching demyelination due to injury or disease, as well as for researching proliferative disorders such as cancer<sup>[1]</sup>. IC<sub>50</sub> & Target: Autotaxin<sup>[1]</sup> *In Vitro*: Autotaxin, a novel motility-stimulating protein, is a secreted glycoprotein widely present in biological fluids, including blood, cancer ascites, synovial, pleural and cerebrospinal fluids, originally isolated from the supernatant of melanoma cells as an autocrine motility stimulation factor<sup>[1]</sup>. Autotaxin is a member of the ectonucleotide pyrophosphatase/phosphodiesterase family of ectoenzymes (E-NPP) that hydrolyze phosphodiesterase (PDE) bonds of various nucleotides and derivatives<sup>[1]</sup>.

### References:

[1]. Guckian, Kevin, et al. Preparation of naphthalenes and isoquinolines as ATX modulating agents. WO 2014018881 A1.

### CAIndexNames:

8-Azabicyclo[3.2.1]octane-3-carboxylic acid, 8-[(1R)-1-[8-(trifluoromethyl)-7-[[cis-4-(trifluoromethyl)cyclohexyl]oxy]-2-naphthalenyl]ethyl]-

### SMILES:

O=C(C1CC(N2[C@@H](C3=CC=C4C=CC(O[C@H]5CC[C@@H](C(F)(F)F)CC5)=C(C(F)(F)F)C4=C3)CCC2C1)O

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

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