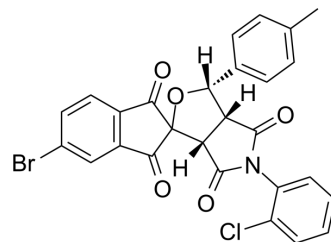


## Adenylyl cyclase type 2 agonist-1

Cat. No.:	HY-146356
CAS No.:	2414908-52-2
Molecular Formula:	C <sub>27</sub> H <sub>17</sub> BrClNO <sub>5</sub>
Molecular Weight:	550.78
Target:	Adenylate Cyclase
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Adenylyl cyclase type 2 agonist-1 (Compound 73) is a potent agonist of adenylyl cyclase type 2 (AC2) with the EC<sub>50</sub> of 90 nM. Adenylyl cyclase type 2 agonist-1 inhibits expression of Interleukin-6, making it a potential lead compound against respiratory diseases<sup>[1]</sup>.

### REFERENCES

[1]. Guowei Xu, et al. The discovery, design and synthesis of potent agonists of adenylyl cyclase type 2 by virtual screening combining biological evaluation. *Eur J Med Chem.* 2020 Apr 1;191:112115.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA