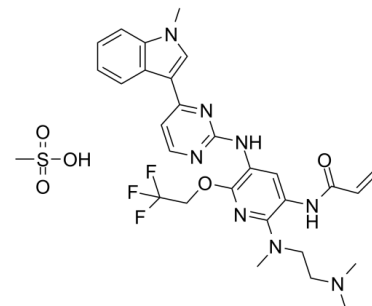


## Data Sheet

<b>Product Name:</b>	AST2818 (mesylate)
<b>Cat. No.:</b>	CS-0067492
<b>CAS No.:</b>	2130958-55-1
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>35</sub> F <sub>3</sub> N <sub>8</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	664.70
<b>Target:</b>	EGFR
<b>Pathway:</b>	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
<b>Solubility:</b>	DMSO : 5 mg/mL (7.52 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

AST2818 mesylate is an **EGFR** inhibitor. IC<sub>50</sub> & Target: EGFR<sup>[1]</sup> **In Vitro:** AST2818 mesylate is designed to inhibit EGFR active mutations as well as the T790M acquired resistant mutation<sup>[1]</sup>.

### References:

[1]. Y.Shi, et al. P2.03-028 Third Generation EGFR Inhibitor AST2818 (Alflutinib) in NSCLC Patients with EGFR T790M Mutation: A phase1/2 Multi-Center Clinical Trial. J Thorac Oncol. 2017 Nov, 12(11): S2138.

### CAIndexNames:

2-Propenamide, N-[2-[[2-(dimethylamino)ethyl]methylamino]-5-[[4-(1-methyl-1H-indol-3-yl)-2-pyrimidinyl]amino]-6-(2,2,2-trifluoroethoxy)-3-pyridinyl]-, compd. with methanesulfonate (1:1)

### SMILES:

C=CC(NC1=CC(NC2=NC=CC(C3=CN(C)C4=C3C=CC=C4)=N2)=C(OCC(F)(F)F)N=C1N(CCN(C)C)C)=O.CS(=O)(O)=O

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

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