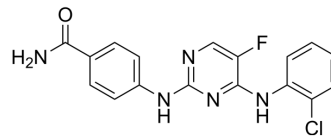


AJI-214

Cat. No.:	HY-164455
CAS No.:	1395886-20-0
Molecular Formula:	C ₁₇ H ₁₃ ClFN ₅ O
Molecular Weight:	357.77
Target:	Aurora Kinase; JAK; STAT
Pathway:	Cell Cycle/DNA Damage; Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

AJI-214 is a dual-target inhibitor of Aurora kinase A and JAK2. AJI-214 directly blocks Aurora kinase A to inhibit T cell mitotic progression and cell polarity, and inhibits JAK2 activation to inhibit STAT3 phosphorylation, thereby reducing the differentiation of TH1 and TH17 cells. AJI-214 can be used in studies on regulating immune responses and preventing graft-versus-host disease (GVHD)^[1].

REFERENCES

[1]. Betts, et al. "Targeting Aurora kinase A and JAK2 prevents GVHD while maintaining Treg and antitumor CTL function." *Science translational medicine* 9.372 (2017): eaai8269.

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

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