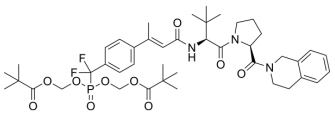
PM-81I

Cat. No.:	HY-148093
CAS No.:	1637532-83-2
Molecular Formula:	$C_{43}H_{58}F_2N_3O_{10}P$
Molecular Weight:	845.91
Target:	STAT
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PM-81I is a potent STAT6 inhibitor (targeting the SH2 structural domain) that effectively reduces STAT6 phosphorylation levels. PM-81I can be used in studies of allergic lung disease, allergic rhinitis, chronic obstructive pulmonary disease or cancer[1].
IC_{50} & Target	STAT6[1].
In Vitro	PM-81I (0.05, 0.1, 0.5, 1, 2.5, 5 μM; 2 h) inhibits IL-4 stimulated phosphorylation of STAT6 in Bease-2B immortalized human epithelial airway cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Western Blot Analysis[1]

Cell Line:	Bease-2B immortalized human epithelial airway cells
Concentration:	0.05, 0.1, 0.5, 1, 2.5, 5 μM
Incubation Time:	2 h
Result:	Decreased phosphorylation levels of STAT6 to18%, 13%, 13% when at 1, 2.5 and 5 μM, respectively.

REFERENCES

[1]. John S, et al. Stat6 inhibitors. Patent WO2014182928A2.

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