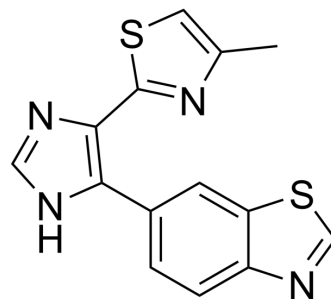


## TP0427736

Cat. No.:	HY-118528
CAS No.:	864374-00-5
Molecular Formula:	C <sub>14</sub> H <sub>10</sub> N <sub>4</sub> S <sub>2</sub>
Molecular Weight:	298.39
Target:	TGF-β Receptor
Pathway:	TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

TP0427736 is a selective inhibitor of ALK5 with an IC<sub>50</sub> of 2.72 nM. TP0427736 inhibits Smad2/3 phosphorylation in A549 cells. TP0427736 decreases the growth inhibition of human outer root sheath cells<sup>[1]</sup>.

### REFERENCES

[1]. Naruse T, et al. Novel ALK5 inhibitor TP0427736 reduces TGF-β-induced growth inhibition in human outer root sheath cells and elongates anagen phase in mouse hair follicles. *Pharmacol Rep.* 2017 Jun;69(3):485-491.

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

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