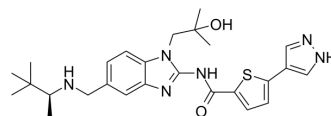


## ITK antagonist

Cat. No.:	HY-13232
CAS No.:	1149753-56-9
Molecular Formula:	C <sub>26</sub> H <sub>34</sub> N <sub>6</sub> O <sub>2</sub> S
Molecular Weight:	494.65
Target:	Itk
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	ITK antagonist (compound 10 n) is a potent, orally active and selective ITK (Interleukin-2 inducible T-cell kinase) antagonist (IC <sub>50</sub> =1 and 20 nM in different assays). ITK antagonist inhibits insulin receptor kinase (IRK) with an IC <sub>50</sub> of 160 nM <sup>[1]</sup> .
<b>In Vitro</b>	ITK antagonist inhibits DT40 cell (IC <sub>50</sub> =4 nM) and shows IL-2 inhibition (IC <sub>50</sub> =20 nM) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Riether D, et al. 5-Aminomethylbenzimidazoles as potent ITK antagonists. *Bioorg Med Chem Lett*. 2009;19(6):1588-1591.

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

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