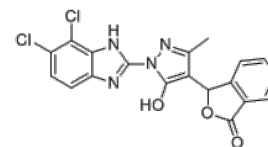


Product Name : RU.521
Cat. No. : PC-60018
CAS No. : 2262452-06-0
Molecular Formula : C₁₉H₁₂Cl₂N₄O₃
Molecular Weight : 415.23
Target : Cyclic GMP-AMP synthase (cGAS)
Solubility : 10 mM in DMSO



Biological Activity

RU.521 (RU521, RU-320521) is a potent, selective cyclic GMP-AMP synthase (**cGAS**) inhibitor with K_d of 36.2 nM.

RU.521 inhibits cGAS-mediated interferon upregulation in cellular assays, with no effect on inflammatory pathways independent of cGAS.

RU.521 suppresses the chronically elevated levels of type I interferon in primary macrophages from mice model of AGS (Aicardi-Goutières syndrome).

References

Vincent J, et al. *Nat Commun.* 2017 Sep 29;8(1):750.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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