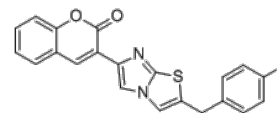


Product Name : Midkine inhibitor (iMDK)
Cat. No. : PC-61962
CAS No. : 881970-80-5
Molecular Formula : C₂₁H₁₃FN₂O₂S
Molecular Weight : 376.4
Target : Midkine
Solubility : 10 mM in DMSO



Biological Activity

Midkine inhibitor (iMDK) is a small molecule inhibitor of the growth factor **Midkine** (MDK) that suppresses the endogenous expression of MDK but not other growth factors such as PTN or VEGF.

Midkine inhibitor (iMDK) inhibits the cell growth of MDK-positive H441 lung adenocarcinoma cells that harbor an oncogenic KRAS mutation and H520 squamous cell lung cancer cells, inhibits PI3K pathway and induces apoptosis.

Midkine inhibitor (iMDK) significantly inhibits tumor growth in a xenograft mouse model in vivo.

References

Hao H, et al. *PLoS One*. 2013 Aug 16;8(8):e71093.

Ishida N, et al. *Exp Cell Res*. 2015 Jul 15;335(2):197-206.

Masui M, et al. *Anticancer Res*. 2016 Jun;36(6):2775-81.

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

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