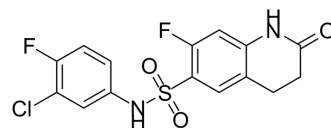


PKM2 activator 3

Cat. No.:	HY-147397
CAS No.:	1346113-84-5
Molecular Formula:	C ₁₅ H ₁₁ ClF ₂ N ₂ O ₃ S
Molecular Weight:	372.77
Target:	Pyruvate Kinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PKM2 activator 3 is a potent PKM2 activator with an AC ₅₀ value of 90 nM. PKM2 activator 3 has good Caco-2 permeability, a low efflux ratio and high microsomal stability. PKM2 activator 3 can be used for researching anticancer ^[1] . (AC ₅₀ : the concentration which gives 50% activation of enzyme.)
IC ₅₀ & Target	PKM2 ^[1]
In Vivo	PKM2 activator 3 (compound 66) has good Caco-2 permeability, a low efflux ratio (0.84) and high microsomal stability (t _{1/2} = 277.2 min in human liver microsomes and 117.5 min in mouse liver microsomes) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Walsh MJ, et al. 2-Oxo-N-aryl-1,2,3,4-tetrahydroquinoline-6-sulfonamides as activators of the tumor cell specific M2 isoform of pyruvate kinase. *Bioorg Med Chem Lett*. 2011 Nov 1;21(21):6322-7.

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

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