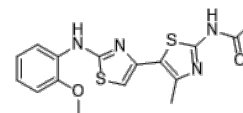


Product Name : JNJ0966
Cat. No. : PC-26813
CAS No. : 315705-75-0
Molecular Formula : C₁₆H₁₆N₄O₂S₂
Molecular Weight : 360.45
Target : Matrix Metalloproteinase (MMP)
Solubility : 10 mM in DMSO



Biological Activity

JNJ0966 is a potent, highly selective inhibitor of matrix metalloproteinase-9 (MMP-9) with IC₅₀ of 440 nM in proMMP-9 activation assays.

JNJ0966 shows no effect on MMP-1, MMP-2, MMP-3, MMP-9, or MMP-14 catalytic activity and does not inhibit activation of the highly related MMP-2 zymogen.

JNJ0966 inhibits proMMP-9 maturation, reduced proMMP-9 maturation through intermediate states to active fully processed enzyme.

JNJ0966 reduces motor symptoms in mouse experimental autoimmune encephalomyelitis (EAE) and penetrates into the brain.

References

Scannevin RH, et al. J Biol Chem. 2017 Oct 27;292(43):17963-17974.

Stegmuller C, et al. Neurobiol Dis. 2025 Aug;212:106978.

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

E-mail: tech@probechem.com