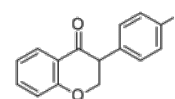


Product Name : KBU2046
Cat. No. : PC-35293
CAS No. : 1143863-69-7
Molecular Formula : C₁₅H₁₁FO₂
Molecular Weight : 242.249
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

KBU2046 (KBU-2046) is a highly selective inhibitor of **metastasis**, binds to and stabilizes **CDC37/HSP90β** heterocomplexes. KBU2046 selectively disrupts heterocomplex function and inhibits cancer cell motility, only binds to HSP90β and CDC37 when both proteins are present, does not bind to either protein alone.

KBU2046 decreases phosphorylation of HSP90β, inhibits cancer metastasis and prolongs life in vivo.

KBU2046-mediated changes in the signature of client proteins bound to the HSP90β/CDC37 heterocomplex mediate effects upon cell motility.

References

Xu L, et al. *Nat Commun.* 2018 Jun 22;9(1):2454.

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

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