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Data Sheet

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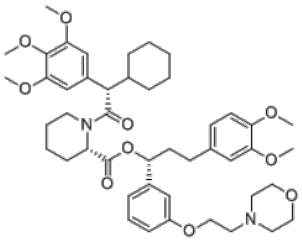
Product Name : SAFit2
Cat. No. : PC-72575
CAS No. : 1643125-33-0
Molecular Formula : $C_{46}H_{62}N_2O_{10}$
Molecular Weight : 803.006
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

SAFit2 is a potent and highly selective inhibitor of **FKBP51** (K506-binding protein 51) with IC50 of 6 nM, >10,000-fold selectivity over FKBP52.
SAFit2 enhances regulation of stress hormone secretion and active stress-coping behavior in mice.
SAFit2 reduced anxiety-related behavior in the basolateral amygdala (BLA) microinjected mice.
SAFit2 recapitulates the effects of FKBP51 deletion on both body weight regulation and glucose tolerance.

References

Balsevich G, et al. ***Nat Commun.*** 2017 Nov 23;8(1):1725.

Gaali S, et al. ***Nat Chem Biol.*** 2015 Jan;11(1):33-7.

Hartmann J, et al. ***J Neurosci.*** 2015 Jun 17;35(24):9007-16.

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

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