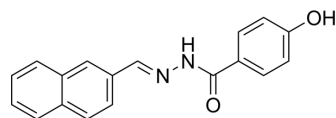


SLU-PP-332

Cat. No.:	HY-155673		
CAS No.:	303760-60-3		
Molecular Formula:	C ₁₈ H ₁₄ N ₂ O ₂		
Molecular Weight:	290.32		
Target:	Estrogen Receptor/ERR		
Pathway:	Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (430.56 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.4445 mL	17.2224 mL	34.4447 mL
	5 mM	0.6889 mL	3.4445 mL	6.8889 mL
	10 mM	0.3444 mL	1.7222 mL	3.4445 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SLU-PP-332 is a pan-Estrogen Receptor/ERR agonist with EC₅₀ values of 98, 230 and 430 nM for ERRα, ERRβ and ERRγ, respectively. SLUPP-332 enhances mitochondrial function and cellular respiration in skeletal muscle cell lines. SLU-PP-332 has the potential to study metabolic diseases as well as improve muscle function^[1].

IC₅₀ & Target

ERRα	ERRβ	ERRγ
98 nM (EC50)	230 nM (EC50)	430 nM (EC50)

REFERENCES

[1]. Billon C, et al. Synthetic ERRα/β/γ Agonist Induces an ERRα-Dependent Acute Aerobic Exercise Response and Enhances Exercise Capacity. ACS Chem Biol. 2023 Apr 21;18(4):756-771.

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

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