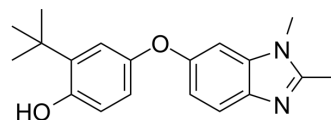


DS20362725

Cat. No.:	HY-143201		
CAS No.:	2735803-20-8		
Molecular Formula:	C ₁₉ H ₂₂ N ₂ O ₂		
Molecular Weight:	310.39		
Target:	Estrogen Receptor/ERR		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	DS20362725 is an estrogen-related receptor α (ERR α) agonist. DS20362725 inhibits the binding between receptor-interacting protein 140 (RIP140) corepressor peptide (10 nM) and GST-ERR α ligand-binding domain (LBD; 1.2 μ M) with an IC ₅₀ value of 0.6 μ M. DS20362725 can be used for the research of metabolic disorders, including type 2 diabetes mellitus (T2DM) ^[1] .
IC₅₀ & Target	ERR α
In Vitro	DS20362725 (compound 3d; 0.002, 0.006, 0.017, 0.051, 0.015, 0.046, 1.4, 4.2, 12.5 μ g/mL; 18 h) inhibits the transcriptional activity of full-length ERR α in MG63 cells with an EC ₅₀ of 1.1 μ M ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Shinozuka T, et al. Discovery of a Novel Class of ERR α Agonists. ACS Med Chem Lett. 2021 Apr 21;12(5):817-821.

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

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