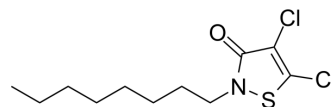


DCOIT

Cat. No.:	HY-W041308		
CAS No.:	64359-81-5		
Molecular Formula:	C ₁₁ H ₁₇ Cl ₂ NOS		
Molecular Weight:	282.23		
Target:	GnRH Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

DCOIT is a representative isothiazolinone that stimulates the gonadotropin-releasing hormone receptor (GnRHR)-mediated synthesis of follicle-stimulating hormone and luteinizing hormone in the brain. DCOIT interferes with G protein-coupled receptors, MAPK and Ca²⁺ signaling cascades^[1].

REFERENCES

[1]. Tang L, et al. Isothiazolinone Disrupts Reproductive Endocrinology by Targeting the G-Protein-Coupled Receptor Signaling. Environ Sci Technol. 2024 Jan 3.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA