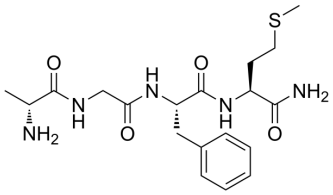
D-Ala-Gly-Phe-Met-NH2

Cat. No.:	HY-P3555
CAS No.:	82948-89-8
Molecular Formula:	$C_{19}H_{29}N_5O_4S$
Molecular Weight:	423.53
Sequence Shortening:	{d-Ala}-GFM-NH2
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D-Ala-Gly-Phe-Met-NH2, an opioid peptide, is a potent opiate δ-receptor agonist[1].
In Vivo	D-Ala-Gly-Phe-Met-NH2 (7.1 nM and 14.2 nM (0.5 μL); microinjection; male Sprague-Dawley rats) increases ethanol intake in preference to food in the nucleus accumbens (NAc)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male Sprague-Dawley rats (200-250 g)[1]
Dosage:	7.1 nM and 14.2 nM (0.5 μL)
Administration:	Microinjection in the nucleus accumbens (NAc)
Result:	Increased ethanol intake in the nucleus accumbens (NAc).

REFERENCES

[1]. Barson JR, et, al. Opioids in the nucleus accumbens stimulate ethanol intake. Physiol Behav. 2009 Oct 19;98(4):453-9.

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