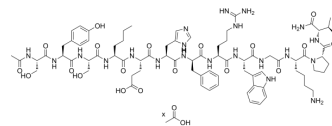


Melanotan I acetate

Cat. No.:	HY-N2466A
CAS No.:	1566590-77-9
Molecular Formula:	$C_{78}H_{111}N_{21}O_{19} \cdot xC_2H_4O_2$
Sequence Shortening:	Ac-SYS-{Nle}-EH-{d-Phe}-RWGKPV-NH2
Target:	Melanocortin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Melanotan I acetate is a potent non-selective melanocortin receptor (MCR) agonist. Melanotan I acetate is a synthetic analogue of α -melanocyte stimulating hormone (α -MSH) that stimulates melanogenesis. Melanotan I acetate can induce skin tanning by mimicking the actions of α -MSH on the melanocortin type 1 receptors (MC1R) of melanocytes. Melanotan I acetate can be used for sunlight-induced skin cancers research ^{[1][2][3]} .
IC₅₀ & Target	MC1R

CUSTOMER VALIDATION

- Theranostics. 2020 Aug 13;10(24):11110-11126.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Reid C, et al. Atypical melanocytic naevi following melanotan injection. *Ir Med J.* 2013 May;106(5):148-9.
- [2]. Bhardwaj R, et al. Controlled-release delivery system for the alpha-MSH analog melanotan-I using poloxamer 407. *J Pharm Sci.* 1996 Sep;85(9):915-9.

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

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