

Product Data Sheet

Product Name: U 73343

Cat. No.: GC17960

Chemical Properties

Cas. No. 142878-12-4

Chemical Name 1-(6-(((8R,9S,13S,14S,17S)-3-methoxy-13-methyl-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthren-17-yl)amino)hexyl)pyrrolidine-2,5-dione

SMILES C[C@]12CC[C@]3([H])C4=CC=C(OC)C=C4CC[C@@]3([H])[C@]1([H])CC[C@]2([H])NCCCCCN5C(CCC5=O)=O

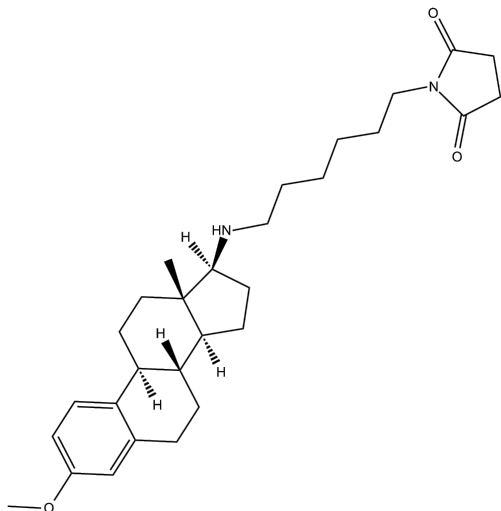
Formula $C_{29}H_{42}N_2O_3$ M.Wt 466.66

Solubility 0.25mg/ml in ethanol; 0.5mg/ml in DMSO; 2mg/ml in DMF Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

U 73343 is an inactive analogue of U 73122. U 73122 is a widely used inhibitor of receptor-mediated phospholipase C (PLC), which inhibits the role of PLC in endothelin-1 (ET-1) and parathyroid

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

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hormone (PTH)-induced calcium transients. U 73343 is inactive and is often used as a negative control for U 73122^{[1][2]}.

References:

[1] Muto Y, Nagao T, Urushidani T. The putative phospholipase C inhibitor U73122 and its negative control, U73343, elicit unexpected effects on the rabbit parietal cell. J Pharmacol Exp Ther. 1997;282(3):1379-1388.

[2] Tatrai A, Lee SK, Stern PH. U-73122, a phospholipase C antagonist, inhibits effects of endothelin-1 and parathyroid hormone on signal transduction in UMR-106 osteoblastic cells. Biochim Biophys Acta. 1994;1224(3):575-582.

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