

Product Data Sheet

Product Name: DS69910557

Cat. No.: GC73163

Chemical Properties

Cas. No.

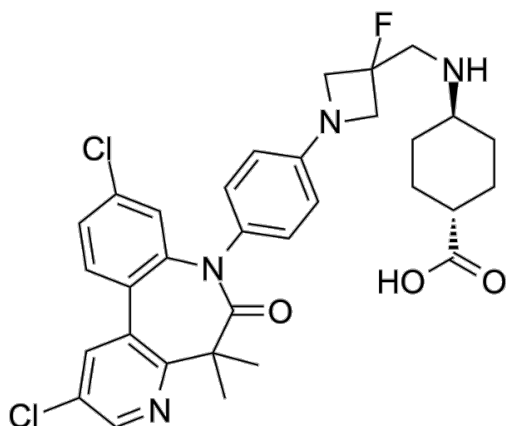
Formula $C_{32}H_{33}Cl_2FN_4O_3$ M.Wt 611.53

Solubility DMSO : 100 mg/mL (163.52 mM; Storage -20°C
Need ultrasonic)

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

DS69910557 is a potent, selective and orally active human parathyroid hormone receptor 1 (hPTH1R)

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

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antagonist. DS69910557 has antagonistic activity for PTHR1 with an IC₅₀ value of 0.08 μ M. DS69910557 can be used for the research of perparatroidism, percalcemia of malignancy and osteoporosis.

DS69910557 (compound 19e) has highly potent antagonistic activity for PTHR1 with an IC₅₀ value of 0.08 μ M[1]. DS69910557 (3 μ M) exhibits excellent selectivity against human ether-a-go-go-related-gene (hERG) channel[1].

DS69910557 (compound 19e) (p.o.; 5mg/kg) has potency to decrease the plasma calcium concentration in rats in vivo[1].

References:

[1]. Yoshikazu Arai, et al. Lead optimization of pyrido[2,3-d][1]benzazepin-6-one derivatives leading to the discovery of a potent, selective, and orally available human paratroid hormone receptor 1 (hPTHR1) antagonist (DS69910557). Bioorg Med Chem. 2022 Jun 15;64:116763.

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