

Product Data Sheet

Product Name: CP-4
Cat. No.: GC91592

Chemical Properties

Cas. No. 2569194-72-3

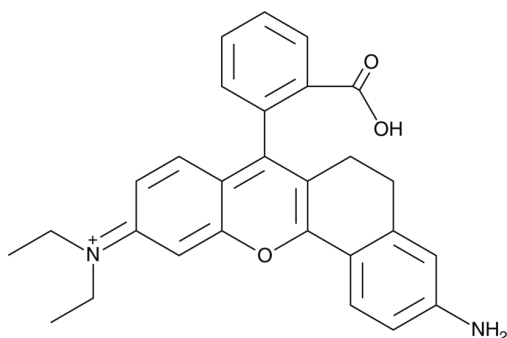
Formula $C_{28}H_{27}N_2O_3$ M.Wt 439.5

Solubility DMSO: Sparingly soluble: 1-10 mg/ml, Ethanol: Slightly soluble: 0.1-1 mg/ml, PBS (pH 7.2): Slightly soluble: 0.1-1 mg/ml
Storage -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

CP-4 is a fluorescent probe for mesenchymal stem cells.^[1] It displays absorbance/emission maxima of 577/617 nm, respectively. CP-4 enhances FGF-induced neuronal differentiation of isolated human mesenchymal stem cells.

References:

[1]. Gupta, V., Gharai, P.K., Kar, C., et al. Ratiometric fluorescent probe promotes trans-differentiation of human mesenchymal stem cells to neurons ACS Chem. Neurosci. 15(2)222-229(2024).

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

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