

Product Data Sheet

Product Name: Hexahydropyrrolo[1, 2-a]pyrazine-1, 4-dione

Cat. No.: GF10942

Chemical Properties

Cas. No. 19179-12-5

Formula $C_7H_{10}N_2O_2$

M.Wt 154.17

Solubility

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

Cyclo-(Pro-Gly) (Pyrrolopipezazine-2,5-dione), an alkaloid isolated from green algae *Ulva prolifera*, possesses antialgal activity against the common harmful red tide microalgae. Cyclo-(Pro-Gly) (Pyrrolopipezazine-2,5-dione) possesses anti-amnesic effects and neuroprotective actions.

Cyclo-(Pro-Gly) (0.1 and 10 mg/kg, ip) seems to be a memory facilitating substance and its presence in rat brain suggests the existence of a new mechanism of memory regulation^[3].

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

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- [1]. Ying-ying Sun, et al. Isolation, Purification, and Identification of Antialgal Substances in Green Alga *Ulva Prolifera* for Antialgal Activity Against the Common Harmful Red Tide Microalgae. *Environ Sci Pollut Res Int*. 2016 Jan;23(2):1449-59.
- [2]. Fumitaka Hayasaka, et al. Production Method for Cyclic Dipeptide Derived from Native Collagen. *Food Science and Technology Research*, 22 (4), 477-483, 2016.
- [3]. T A Gudasheva, et al. Identification of a Novel Endogenous Memory Facilitating Cyclic Dipeptide Cyclo-Prolylglycine in Rat Brain. *FEBS Lett*. 1996 Aug 5;391(1-2):149-52.

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