

Product Data Sheet

Product Name: BCI hydrochloride

Cat. No.: GC65025

Chemical Properties

Cas. No. 95130-23-7

Formula C₂₂H₂₄ClNO

M.Wt 353.89

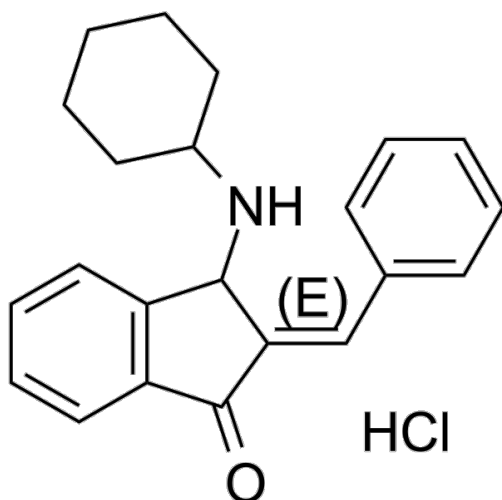
Solubility DMSO : 15.62 mg/mL (44.14 mM; Need ultrasonic)

Storage -20°C, away from moisture

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

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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BCI hydrochloride ((E)-BCI hydrochloride) is an allosteric inhibitor of dual specificity phosphatase (DUSP). BCI hydrochloride specifically inhibits DUSP6 and DUSP1 with EC50s of 13.3 and 8.0 μ M in cells, respectively. BCI hydrochloride does not inhibit DUSP5[1].

[1]. Korotchenko VN, et al. In vivo structure-activity relationship studies support allosteric targeting of a dual specificity phosphatase. *Chembiochem*. 2014 Jul 7;15(10):1436-45.

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