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**Product Data Sheet**

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Product Name: (E/Z)-BCI  
Cat. No.: GC25000

**Chemical Properties**

Cas. No. 15982-84-0

Formula C<sub>22</sub>H<sub>23</sub>NO

M.Wt 317.42

Solubility DMSO: 63 mg/mL (198.48 mM); Water: Insoluble; Ethanol:  
20 mg/mL (63.01 mM)

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**

(E/Z)-BCI (BCI, NSC 150117) is an inhibitor of dual specific phosphatase 1/6 (DUSP1/DUSP6) and mitogen-activated protein kinase with EC<sub>50</sub> of 13.3 μM and 8.0 μM for DUSP6 and DUSP1 in cells, respectively. (E)-BCI induces apoptosis via generation of reactive oxygen species (ROS) and activation of intrinsic mitochondrial pathway in H1299 lung cancer cells.

[1] Jong-Woon Shin, et al. *Sci China Life Sci.* 2018 Oct;61(10):1243-1253. [2] Vasilij N Korotchenko, et al. *Chembiochem.* 2014 Jul 7;15(10):1436-45.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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