
Product Data Sheet

Product Name: DBHDA
Cat. No.: GC50369

Chemical Properties

Cas. No. 99584-96-0

SMILES NC(C(CCC(C(N)=O)Br)Br)=O

Formula $C_6H_{10}Br_2N_2O_2$ M.Wt 301.96

Solubility Soluble in DMSO 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

Reagent for synthetic biology; converts cysteine to dehydroalanine (Dha).

Chalker et al (2011) Methods for converting cysteine to dehydroalanine on peptides and proteins. Chem. Sci. 2 1666 |Wright et al (2016) Posttranslational mutagenesis: a chemical strategy for exploring protein side-chain diversity. Science 354 1465 PMID:27708059 |Mulder et al (2016) A cascading activity-based probe sequentially targets E1-E2-E3 ubiquitin enzymes. Nat.Chem.Biol. 12 523 PMID:27182664 |Lercher et al (2015) Generation of a synthetic GlcNAcylated nucleosome reveals regulation of stability by H2A-Thr101 GlcNAcylation. Nat.Commun. 25 7978 PMID:26305776

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