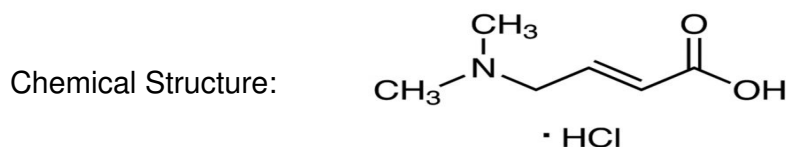


Certificate of Analysis

Product Name: (2E)-4-(dimethylamino)but-2-enoic acid hydrochloride
Cat. No.: GD12305
Batch No.: 1
Chemical Name:

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 848133-35-7
Molecular Formula:
Molecular Weight:
Storage: 2-8°C argon filling



ANALYTICAL DATA

Appearance: A solid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >97.00%
Conclusion: The product has been tested and complies with the given specifications.

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