

Product Data Sheet

Product Name: Diazepam-Binding Inhibitor Fragment, human

Cat. No.: GP10126

Chemical Properties

Cas. No. 104360-70-5

Formula $C_{91}H_{148}N_{26}O_{32}S$

M.Wt 2150.37

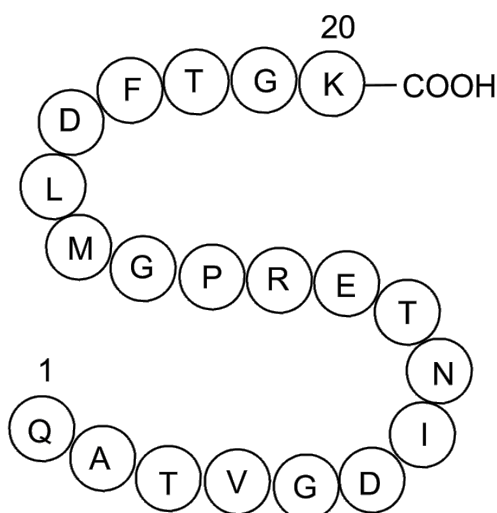
Solubility

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

Diazepam-Binding Inhibitor (DBI) Fragment is encoded by the DBI gene in human. [1][2] It is a protein regulated by hormones and is involved in lipid metabolism and the displacement of beta-carbolines and benzodiazepines, which modulate signal transduction at type A gamma-aminobutyric acid receptors located in brain synapses. The protein is conserved from yeast to mammals, with the most highly conserved domain consisting of seven contiguous residues that constitute the hydrophobic binding site for medium- and long-chain acyl-Coenzyme A esters.

Diazepam binding inhibitor also mediates the feedback regulation of pancreatic secretion and the

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

Product Data Sheet

postprandial release of cholecystokinin, in addition to its role as a mediator in corticotropin-dependent synthesis of steroids in the adrenal gland. [2]

A1113_1



Fig 1. Structure of the DBI protein

Ref:

1. Todd S, Naylor SL (Dec 1992). "New chromosomal mapping assignments for argininosuccinate synthetase pseudogene 1, interferon-beta 3 gene, and the diazepam binding inhibitor gene". *Somat Cell Mol Genet* 18 (4): 381–5
2. Entrez Gene: DBI diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)

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