

Product Data Sheet

Product Name: DND-189

Cat. No.: GC71750

Chemical Properties

Cas. No. 152584-38-8

Formula $C_{24}H_{22}N_4O_2$ M.Wt 398.46

Solubility DMSO : 5 mg/mL (12.55 mM);
ultrasonic and warming and heat to
60°C; Hygroscopic DMSO has a
significant impact on the solubility of
product, please use newly opened
DMSO)

Storage -20°C, protect from light, stored
under nitrogen

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.

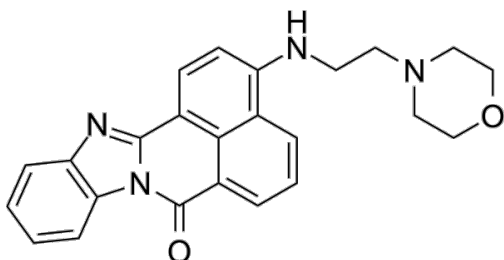
Caution: Product has not been fully validated for medical applications. For research use only.

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

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

Product Data Sheet

Structure



Background

DND-189, a low-pH fluorescent probe, is sensitive to neutral and low pH range. DND-189 can be used to measure the pH of acidic organelles.

References:

- [1]. Lin HJ, et, al. Fluorescence lifetime characterization of novel low-pH probes. Anal Biochem. 2001 Jul 15;294(2):118-25.
- [2]. Leemans B, et, al. pH-dependent effects of procaine on equine gamete activation. Biol Reprod. 2019 Nov 21;101(5):1056-1074.

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