

Prodigiosin hydrochloride Biochemical

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CATALOG #
AAA228767

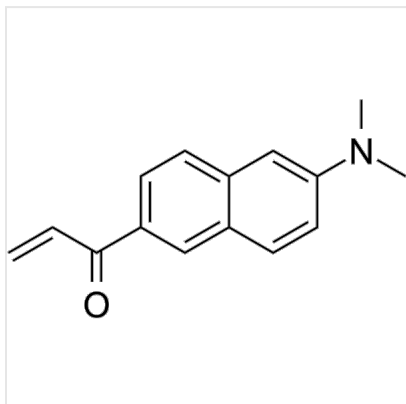
PRODUCT SYNONYMS

Prodigiosin hydrochloride; Prodigiosin hydrochloride biochemical

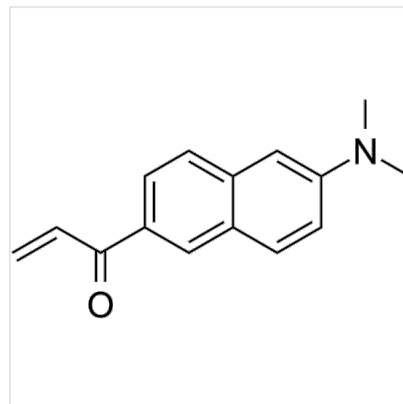
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	56144-17-3
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Prodigiosin (5 mg/kg; intraperitoneal injection; twice weekly; for 3 weeks) treatment significantly inhibits tumor growth. Prodigiosin treatment decreases tumor cell density and expression of the proliferation marker Ki-67[1]. Animal Model: Female BALB/c nude mice injected with MDA-MB-231 cells[1]. Dosage: 5 mg/kg. Administration: intraperitoneal injection; twice weekly; for 3 weeks. Result: Significantly inhibited tumor growth in mice.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Acrylodan, CAS 86636-92-2



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ADDITIONAL INFORMATION

Related Product Information for Prodigiosin hydrochloride biochemical	Prodigiosin (Prodigiosine) hydrochloride is a red pigment produced by bacteria as a bioactive secondary metabolite. Prodigiosin hydrochloride is a potent proapoptotic agent, and inhibits Wnt/beta-catenin pathway. Prodigiosin hydrochloride has antibacterial, antifungal, antiprotozoal, antimalarial, immunosuppressive, and anticancer properties.
References	1. Sarah F Stuart, et al. A two-step mechanism for the folding of actin by the yeast cytosolic chaperonin. J Biol Chem. 2011 Jan 7;286(1):178-84. 2. K Flora, et al. Unfolding of acrylodan-labeled human serum albumin probed by steady-state and time-resolved fluorescence methods. Biophys J. 1998 Aug;75(2):1084-96.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/prodigiosin-hydrochloride/228767>