

Product Data Sheet

Product Name: 6-Phenylphenanthridine-3,8-diamine

Cat. No.: GF18687

Chemical Properties

Cas. No. 52009-64-0

Formula $C_{19}H_{15}N_3$

M.Wt 285.34

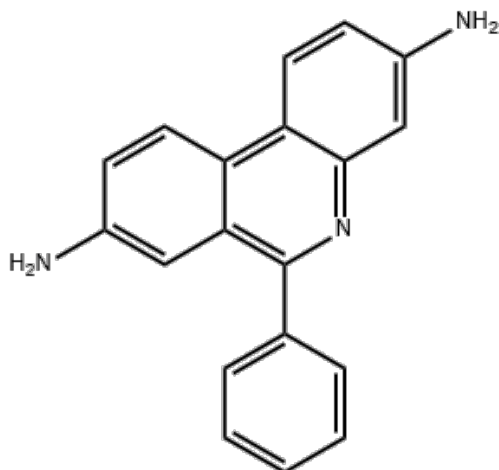
Solubility

Storage 4°C, protect from light

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

3,8-Diamino-6-phenylphenanthridine can bind to DNA by means of a non-specific binding along the DNA exterior^[1].

References:

[1]. Kubar T, et al. Binding of cationic and neutral phenanthridine intercalators to a DNA oligomer is controlled by dispersion energy: quantum chemical calculations and molecular mechanics simulations. Chemistry. 2005 Dec 16;12(1):280-90.

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

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