

Product Data Sheet

Product Name: N-[(3-(Anilinomethylene)-2-chloro-1-cyclohexen-1-yl)methylene]aniline (hydrochloride)
Cat. No.: GC47729

Chemical Properties

Cas. No. 63857-00-1

SMILES ClC1=C(/C=N/C2=CC=CC=C2)CCC/C1=C\NC3=CC=CC=C3.Cl

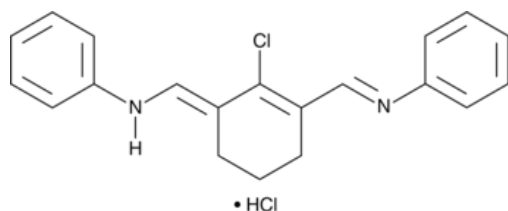
Formula C₂₀H₁₉ClN₂.HCl M.Wt 359.3

Solubility DMF: 0.25mg/mL, DMSO: 3mg/mL, Ethanol: 1mg/mL 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

N-[(3-(Anilinomethylene)-2-chloro-1-cyclohexen-1-yl)methylene]aniline is a building block.^{1,2} It has been used in the synthesis of various cyanine-containing dyes.

1. Rivera, L., Puyol, M., Miltsov, S., et al. New hexamethine-hemicyanine dyes for the development of integrated optochemical sensors. *Anal. Bioanal. Chem.* 387(6):2111-2119 (2007)
2. Henary, M., Pannu, V., Owens, E.A., et al. Near infrared active heptacyanine dyes with unique cancer-imaging and cytotoxic properties. *Bioorg. Med. Chem. Lett.* 22(2):1242-1246 (2012)

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

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