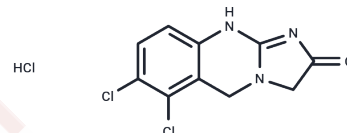


## Anagrelide hydrochloride

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 58579-51-4  |
| Formula:          | C <sub>10</sub> H <sub>7</sub> Cl <sub>2</sub> N <sub>3</sub> O·HCl |
| Molecular Weight: | 292.55  |
| Appearance:       | no data available   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year            |



## Biological Description

|               |   |
|---------------|---|
| Description   | Anagrelide hydrochloride (BL4162A) serves as a treatment for essential thrombocytosis.  |
| Targets(IC50) | PDE   |
| In vitro      | Anagrelide is an oral imidazoquinazoline agent with an anti-cyclic AMP phosphodiesterase activity and inhibits platelet aggregation in both humans and animals. Anagrelide works by inhibiting the maturation of platelets from megakaryocytes. |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 2.9 mg/mL (9.91 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.4182 mL | 17.0911 mL | 34.1822 mL |
| 5 mM  | 0.6836 mL | 3.4182 mL  | 6.8364 mL  |
| 10 mM | 0.3418 mL | 1.7091 mL  | 3.4182 mL  |
| 50 mM | 0.0684 mL | 0.3418 mL  | 0.6836 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

- Tefferi A, et al. Semin Thromb Hemost, 1997, 23(4), 379-383.  
Silverstein MN, et al. N Engl J Med, 1988, 318(20), 1292-1294.

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