

Bim 21009

## Chemical Properties

CAS No. : 106881-54-3

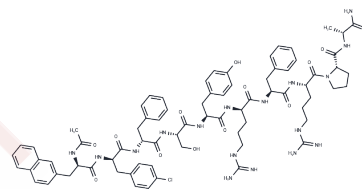
Formula: C74H92ClN17O13

Molecular Weight: 1463.08

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|               |   |
|---------------|---|
| Description   | Bim 21009 is an inhibitor of gonadorelin. |
| Targets(IC50) | Others,GNRH Receptor                      |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.6835 mL | 3.4174 mL | 6.8349 mL |
| 5 mM  | 0.1367 mL | 0.6835 mL | 1.367 mL  |
| 10 mM | 0.0683 mL | 0.3417 mL | 0.6835 mL |
| 50 mM | 0.0137 mL | 0.0683 mL | 0.1367 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Ezan E, Drieu K, Moreau JP, Dray F. Validation in rat plasma of a direct radioimmunoassay for a luteinizing hormone-releasing hormone antagonist (BIM 21009). *J Immunoassay*. 1990;11(3):295-309. Erratum in: *J Immunoassay* 1991;12(1):163-4. PubMed PMID: 2229420.

Virolainen JV, Love RJ, Tast A, Peltoniemi OA. Effect of a gonadotrophin-releasing hormone antagonist on luteinising hormone secretion and early pregnancy in gilts. *Reprod Fertil Dev*. 2003;15(7-8):451-9. PubMed PMID: 15018782.

Webley GE, Hodges JK, Given A, Hearn JP. Comparison of the luteolytic action of gonadotrophin-releasing hormone antagonist and cloprostenol, and the ability of human chorionic gonadotrophin and melatonin to override their luteolytic effects in the marmoset monkey. *J Endocrinol*. 1991 Jan;128(1):121-9. PubMed PMID: 1900320.

Hodges JK, Green DI, Cottingham PG, Sauer MJ, Edwards C, Lightman SL. Induction of luteal regression in the marmoset monkey (*Callithrix jacchus*) by a gonadotrophin-releasing hormone antagonist and the effects on subsequent follicular development. *J Reprod Fertil*. 1988 Mar;82(2):743-52. PubMed PMID: 3129559.

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