

## CAY10565 biochemical

CAY10565

CATALOG #  
AAA227096

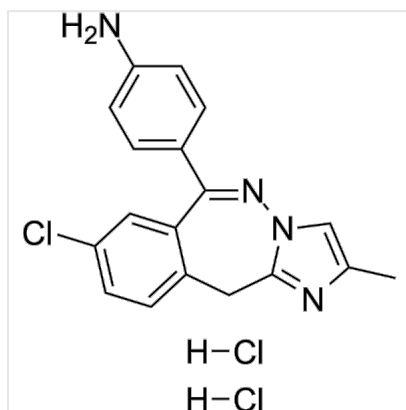
### PRODUCT SYNONYMS

CAY10565; CAY10565 biochemical

### PRODUCT SPECIFICATIONS

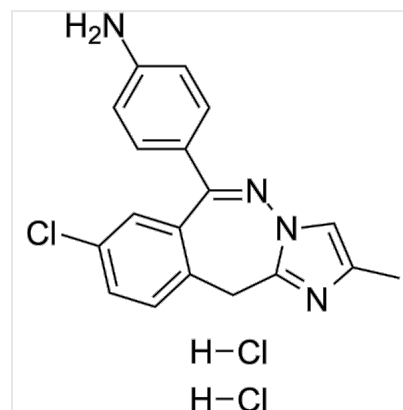
|                         |                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                              |
| Solubility              | Ethanol: 0.25 mg/mL                                                                              |
|                         | DMF: 20 mg/mL                                                                                    |
|                         | DMSO: 20 mg/mL                                                                                   |
|                         | DMSO:PBS (pH 7.2)(1:1): 0.5 mg/mL<br><1mg/ml refers to the product slightly soluble or insoluble |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                         |

### IMAGES



Structure

GYKI-47261 dihydrochloride, CAS 1217049-32-5



Structure

GYKI-47261 dihydrochloride, CAS 1217049-32-5

### ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for<br>CAY10565 biochemical | S-Nitrosothiols (RSNOs) are a class of molecules that function as exogenous and endogenous nitric oxide (NO) donors. RSNOs found in vivo include proteins such as S-nitrosohemoglobin and S-nitrosoalbumin, as well as low molecular weight species such as S-nitrosoglutathione (GSNO) and S-nitrosocysteine (CysNO). CAY10565 is a member of a new class of S-nitrosothiol species that act as NO donors under acidic conditions. It decomposes with a half-life of 130 minutes in 0.1 M phosphate buffer, pH 5.0, at 37 degree C and relaxes phenylephrine-constricted rat aortic strips 71% and 44% at pH 6.0 and 7.4, respectively. |
| References                                              | <ol style="list-style-type: none"> <li>1. Abrahám G, et al. New non competitive AMPA antagonists. Bioorg Med Chem. 2000;8(8):2127-2143.</li> <li>2. Tamási V, et al. GYKI-47261, a new AMPA [2-amino-3-(3-hydroxymethylisoxazole-4-yl)propionic acid] antagonist, is a CYP2E1 inducer. Drug Metab Dispos. 2003;31(11):1310-1314.</li> </ol>                                                                                                                                                                                                                                                                                              |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/biochemical/cay10565/227096>