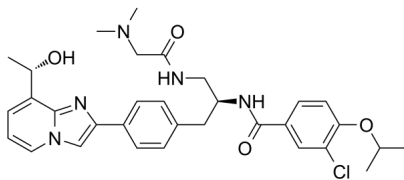


## Certificate of Analysis

|                |            |
|----------------|------------|
| Catalog Number | BP10115    |
| Product Name   | GSK-923295 |

## Physical and Chemical Properties

|  |   |
|--|---|
| Synonyms                                 | GSK923295   |
| CAS No.                                  | 1088965-37-0  |
| Chemical Formula                         | C <sub>32</sub> H <sub>38</sub> ClN <sub>5</sub> O <sub>4</sub>                       |
| Molecular Weight                         | 592.14  |
| Solubility                               | H <sub>2</sub> O: <1 mg/mL<br>Ethanol: 93 mg/mL (157.1 mM); DMSO: 93 mg/mL (157.1 mM) |
| Storage                                  | Powder: -20°C for 2 years<br>In solvent: -80°C for 1 year                             |
| Chemical Structure<br>OR<br>Tested Image |   |

## Product Information

|              |  |
|--------------|--|
| Description  | GSK923295 is a selective allosteric inhibitor of CENP-E kinesin motor ATPase( $K_i=3.2$ nM).   |
| Targets&IC50 | CENP-E: 3.2 nM( $K_i$ )  |
| In vitro     | Cell-growth inhibition assays are performed by MDS in 384-well plates, and DNA content of fixed cells stained with DAPI using an Incell 1000 is analyzed. DNA content is determined 24 h after seeding (T0) and after exposure to varying concentrations of drug for an additional 72 h (T72). All T72 measurements are normalized to T0. Curves are analyzed using the XLfit curve-fitting tool to determine the concentration of GSK923295 yielding 50% growth inhibition relative to T0 and Ymax values (GI50).(Only for Reference) |

## Analytical Data

|                                 |  |
|---------------------------------|--|
| HPLC                            | Shows Min >99% purity  |
| H-NMR                           | Consistent with structure  |
| Stability and Solubility Advice | Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details. |

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