

## BMS-986224 biochemical

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CATALOG #  
AAA228056

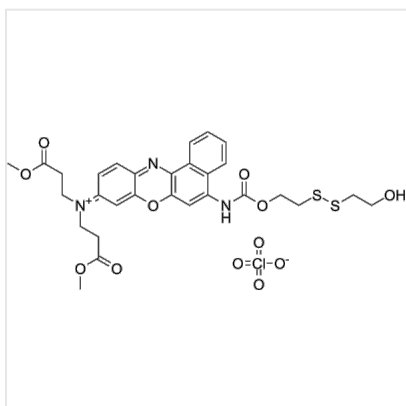
### PRODUCT SYNONYMS

BMS-986224; NBL-SS perchlorate; BMS-986224 biochemical

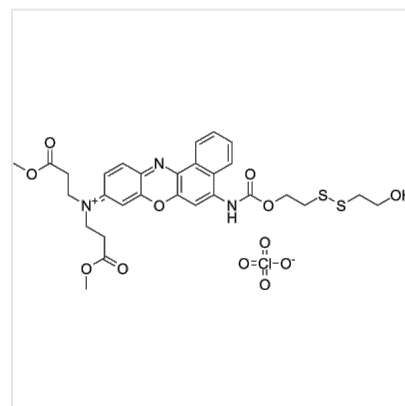
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CAS                     | 2055200-88-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Targets&IC50            | APJ receptor:0.3 nM (Kd)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| In vitro                | BMS-986224 (0.192 mg/kg or 3mg/kg; SC infusion; daily;) in the RHR model increased stroke volume and cardiac output to levels seen in healthy animals but without preventing cardiac hypertrophy and fibrosis, effects differentiated from enalapril[1]. Animal Model: Male Sprague-Dawley rats (renal hypertensive rat model)[1]. Dosage: 0.192 mg/kg or 3mg/kg. Administration: SC infusion; daily; Initiated 3 days before surgery and continued for 7 days after surgery. Result: The achieved steady-state plasma concentrations during 10-day infusion were 102 and 2686 nmol/L at low dose and HD, respectively. At the low dose, BMS-986224 increased SV and CO without affecting other measured parameters, including the measured diastolic parameters, cardiac fibrosis, and heart weight in RHR. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



Structure  
Trx-red, CAS 2368978-96-3



Structure  
Trx-red, CAS 2368978-96-3

### ADDITIONAL INFORMATION

#### Related Product Information for BMS-986224 biochemical

BMS-986224 is a potent, selective and orally bioavailable APJ receptor agonist (K<sub>d</sub> = 0.3 nM). BMS-986224 exhibits similar receptor binding and signaling profile to (Pyr 1) apelin-13. BMS-986224 has the potential for the research of heart failure.

## References

1. Huiyi Jia, et al. Fluorophore-Dependent Cleavage of Disulfide Bond Leading to a Highly Selective Fluorescent Probe of Thioredoxin. Anal Chem. 2019 Jul 2;91(13):8524-8531.

**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.

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Online datasheet: <https://www.aaabiotech.com/biochemical/bms-986224/228056>