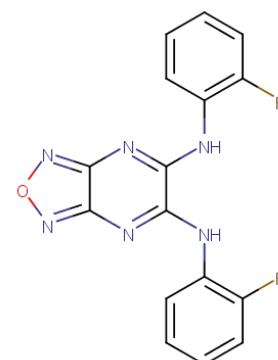


Catalog Number: CM16808

## 产品信息

Catalog Number:  
CM16808CAS号:  
210302-17-3分子式:  
 $C_{16}H_{10}F_2N_6O$ 主要靶点:  
Mitochondrial  
Metabolism|OXPHOS主要通路:  
凋亡|代谢分子量:  
340.29溶解度:  
DMSO:72 mg/mL  
(211.58mM), Sonification is  
recommended.

## 体外活性

BAM 15 is fully capable of increasing mitochondrial respiration in the presence of oligomycin which does so across a broader concentration range than FCCP in both myoblasts and hepatocytes and it is capable to increase O<sub>2</sub> consumption across a broad dosing range without increasing ROS. BAM 15 and FCCP are structurally unrelated. Which is observed that low doses of BAM 15 from 100 nM to 1  $\mu$  M increase cellular O<sub>2</sub> consumption rate (OCR) to a similar degree as FCCP, However higher concentrations from 1  $\mu$  M to 50  $\mu$  M reveal that BAM 15 is able to maintain uncoupled respiration at a high rate in a range of cell lines. BAM 15 induces mitochondrial swelling, demonstrating that BAM 15 is a protonophore. BAM15-treated cells are more viable than FCCP-treated cells when administered across a broad dosing range up to 50  $\mu$  M[1].

## 体内活性

Animals that receive BAM 15 are protected from kidney injury compared to vehicle-treated mice, such as indicated by lower plasma creatinine levels at 24 and 48 h post-ischemia, reduced tubular necrosis, less obstruction of proximal tubules, less depletion of brush border villi, and less immune cell infiltration[1].

## 描述

BAM 15 is an uncoupler of mitochondrial protonophore.

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years