

AK-7, SIRT2 inhibitor

Catalog	Unit
TBI1429 - 5MG	5 mg
TBI1429 - 25MG	25 mg

Product Details

Formal Name: 3-(1-Azepanylsulfonyl)-N-(3-bromophenyl)benzamide

Molecular Formula: C₁₉H₂₁BrN₂O₃S

Formula Weight: 437.36

CAS Number: 420831-40-9

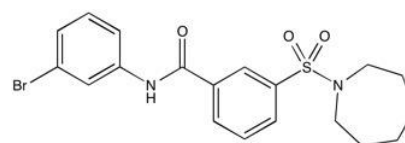
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 8 mg/ml with warming).

Storage: RT

Stability: ≥ 2 years.



Applications

SIRT2 inhibitor

Functions

AK-7 (420831-40-9) is a selective Sirt2 inhibitor (IC₅₀=15.5 μM) which does not inhibit Sirt1 or Sirt3. It down regulates cholesterol biosynthesis genes in primary striatal neurons. AK-7 displays neuroprotective effects in Huntington's disease mouse models including improved motor function, extended survival and reduced brain atrophy all of which were associated with reduced aggregated mutant huntingtin.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 8 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.