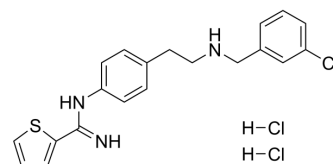


ARL 17477

| | |
|--------------------|--|
| Cat. No.: | HY-107720 |
| CAS No.: | 866914-87-6 |
| Molecular Formula: | C ₂₀ H ₂₂ Cl ₃ N ₃ S |
| Molecular Weight: | 442.83 |
| Target: | NO Synthase |
| Pathway: | Immunology/Inflammation |
| Storage: | 4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (141.14 mM; Need ultrasonic)
H₂O : 20 mg/mL (45.16 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|-----------------------|-----------|-----------|------------|------------|
| | | 1 mM | 2.2582 mL | 11.2910 mL | 22.5820 mL |
| | 5 mM | 0.4516 mL | 2.2582 mL | 4.5164 mL | |
| | 10 mM | 0.2258 mL | 1.1291 mL | 2.2582 mL | |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ARL-17477 is a dual inhibitor of NOS1 and the autophagy-lysosomal system with anticancer activity and can inhibit tumor growth in KRAS-mutated cancers^[1].

REFERENCES

[1]. Teiko Komori Nomura, et al. ARL-17477 is a dual inhibitor of NOS1 and the autophagic-lysosomal system that prevents tumor growth in vitro and in vivo. Sci Rep. 2023 Jul 4;13(1):10757.

Caution: Product has not been fully validated for medical applications. For research use only.

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