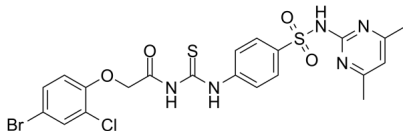


Certificate of Analysis

Catalog Number	BP13594
Product Name	ZCL278

Physical and Chemical Properties

Synonyms	ZCL 278
CAS No.	587841-73-4
Chemical Formula	C ₂₁ H ₁₉ BrClN ₅ O ₄ S ₂
Molecular Weight	584.89
Solubility	DMSO: 58.5 mg/mL (100 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of ZCL278 is shown. It consists of a 4-bromo-3-chlorophenyl group connected via an ester linkage to a thioamide chain, which is further connected to a 4-(dimethylamino)phenyl group via a sulfonamide linkage.</p>

Product Information

Description	ZCL278 is a selective Cdc42 GTPase inhibitor.
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Targets&IC50	Cdc42 GTPase:11.4 μ M(Kd)
In vivo	ZCL278 reduces the JUNV RNA load in the spleen more than 33-fold, with JUNV RNA being undetectable in 5 out of 8 mice. These results are similar to those seen in Gabapentin-treated mice, demonstrating that ZCL278 can abrogate JUNV replication.

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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