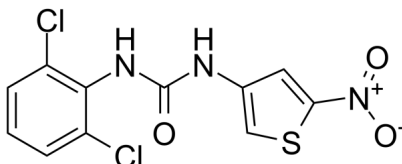


## Certificate of Analysis

Catalog Number	BP15990
Product Name	DFP00173

## Physical and Chemical Properties

CAS No.	672286-03-2
Chemical Formula	C <sub>11</sub> H <sub>7</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>3</sub> S
Molecular Weight	332.16
Solubility	DMSO: 124 mg/mL (373.31 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	DFP00173 is a potent and selective aquaporin 3 (AQP3) inhibitor. DFP00173 inhibits mouse and human AQP3 with IC <sub>50</sub> of ~0.1-0.4 μM. Compared with the homologous AQP subtypes AQP7 and AQP9, DFP00173 is selective for AQP3.
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Targets&IC50	AQP3:0.1-0.4 $\mu$ M
In vitro	DFP00173 inhibits the glycerol permeability of human red blood cells with IC50 of $\sim$ 0.2 $\mu$ M.

## 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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