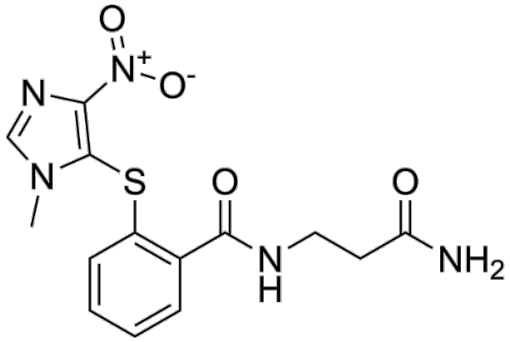
# Product Data Sheet

Product Name: Nipamovir
Cat. No.: GC73971

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 2651908-78-8 | | |
| Formula | $C_{14}H_{15}N_5O_4S$ | M.Wt | 349.37 |
| Solubility | DMSO : 100 mg/mL (286.23 mM; Need ultrasonic) | Storage | -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |
| Structure | | | |




## Background

Nipamovir is a nitroimidazole prodrug. Nipamovir shows comparable antiviral activity to SAMT-247 and NS-1040 in both cellular assays and a human ex vivo model of HIV infection, along with low

toxicity. Nipamovir has EC50 values of 3.64±3.28 and 3.23±2.81 μM for CEM-SS/HIV-1RF and hPBMC/HIV-192HT599, respectively.

References:

[1]. Marco Robello, et al. Prodrug Strategy Extends the Use of Anti-HIV Sulfanylbenzamides for Application In Vivo. ACS Pharmacol. Transl. Sci. December 14, 2023.

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