

## Fluorofurimazine

Catalog	Unit
TBP0119-5MG	5 mg
TBP0119-10MG	10 mg

### Description

Fluorofurimazine is a synthetic analogue of furimazine, designed to enhance bioluminescence imaging applications. It serves as a substrate for the NanoLuc luciferase system, offering increased aqueous solubility and higher signal emission compared to its predecessor. This improved solubility enables higher substrate loading and enhanced optical imaging sensitivity in vivo, making it particularly effective for small animal imaging studies.

### Product Details

**Formal Name:** 6-(3-amino-2-fluorophenyl)-8-[(2-fluorophenyl)methyl]-2-(2-furanylmethyl)-Imidazo[1,2-a]pyrazin-3(7H)-one

**Molecular Formula:** C<sub>24</sub>H<sub>18</sub>F<sub>2</sub>N<sub>4</sub>O<sub>2</sub>

**Formula Weight:** 432.42

**CAS Number:** 2412089-96-2

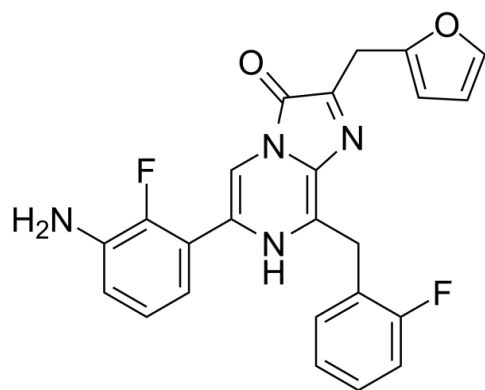
**Purity:** ≥98%

**Formulation:** powder

**Storage:** -20°C

**Stability:** >2 years

**Solubility:** DMSO



For research use only