
Product Data Sheet

Product Name: Fluorofurimazine

Cat. No.: GC68291

Chemical Properties

Cas. No. 2412089-96-2

Formula $C_{24}H_{18}F_2N_4O_2$ M.Wt 432.42

Solubility Storage Store at -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**

Fluorofurimazine is **fluorogenic substrate** for Antares. Fluorofurimazine can realize sensitive bioluminescence imaging to prolong the generation of high-sensitivity light. Fluorofurimazine has good aqueous solubility allows delivery of higher doses to mice. Fluorofurimazine can be used in the bioluminescence imaging^[1].

Fluorofurimazine (562 µg; i.p.; for 30 days; nude mice) increases in peak signal when administered at 562 µg in vivo^[1].

Animal Model: Nude mice^[1]

Dosage: 562 µg

Administration: Intraperitoneal injection; for 30 days

Result: Exhibited threefold bioluminescence than AkaLuc with AkaLumine.

[1]. Su Y, et al. Novel NanoLuc substrates enable bright two-population bioluminescence imaging in animals. Nat Methods. 2020 Aug;17(8):852-860.

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

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