

Favipiravir, Antiviral agent

Catalog	Unit
TBI5060-5MG	5 mg
TBI5060-25MG	25 mg

Product Details

Formal Name: 6-Fluoro-3-hydroxypyrazine-2-carboxamide

Alternate Names: T-705

Molecular Formula: C₅H₄FN₃O₂

Formula Weight: 157.10

CAS Number: 259793-96-9

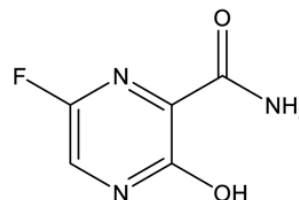
Purity: >99%

Formulation: powder

Solubility: Soluble in DMSO (30 mg/ml); or Water (12 mg/mL with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Antiviral agent

Functions

Favipiravir is an inhibitor of Influenza viruses A, B, and C (IC₅₀s: A = 0.03-0.20 µg/mL H1N1, 0.01-0.30 H2N2, 0.08-0.48 H3N2, 0.14-0.15 H4N2, 0.24-1.60 H7N2, 0.20-0.82 H5N1, 0.35 H1N2; B = 0.04-0.09 µg/mL; C = 0.03-0.06 µg/mL) as well as strains resistant to adamantane-type antivirals, oseltamivir, and zanamivir. It displayed no cytotoxicity in a variety of cells. Favipiravir selectively inhibits viral RNA-dependent RNA polymerase. Favipiravir has also shown activity against other viruses including arena, phlebo, hanta, flavi, entero, alpha, respiratory syncytial, and noroviruses. In clinical trials for treatment of SARS-CoV-2.

Application Procedures

First dissolved in DMSO (30 mg/ml); or Water (12 mg/mL with warming), then diluted to aqueous buffer. Solutions in DMSO or water may be stored at -20° for up to 3 months.

For research use only.