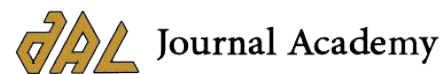


Journal Academy Formulary (JACF)



Maribavir

Regulations: had been registered in the following countries: United States of America (U.S.A.).

Registration number (S.A.): Not available.

Insurance Drug Formulary (S.A.): Not available.

General Information:

Registered Company: Takeda Pharmaceuticals U.S.A., Inc.

Regulatory Status: R.X.

Mechanism of Action: Maribavir stands out with its unique protein kinase competitive inhibition of human CMV enzyme pUL97.

Indication**Approved (Labeled) indication:**

Maribavir has demonstrated significant efficacy in treating cytomegalovirus infection refractory to ganciclovir, post-transplant valganciclovir, Foscarnet, or cidofovir.

Dose: 400 mg orally twice daily.

Dose in Renal/Hepatic failure/Geriatric Dose: No dosage adjustment is needed.

Adjustment required in Specific population: No dosage adjustment is needed.

Indicated for pediatrics: The same indication for adult.

Pharmacokinetics:**Absorption**

- T_{max}, oral: 1 to 3 hours.

Distribution

- Protein binding: 98%.
- V_d: 27.3 L.

Metabolism

- Hepatic

Excretion

- Renal excretion: 61%
- Fecal excretion: 14%

Elimination Half Life: 4.32 hours

Safety:

- Maribavir, while effective, has a well-tolerated safety profile. The most common adverse reactions observed are gastrointestinal symptoms such as diarrhea, taste disorder, nausea, and vomiting.

Severe/rare adverse Reactions: Infectious disease.

Contraindications: Not determined.

Precautions: Coadministration with ganciclovir, valganciclovir or strong inducers of CYP3A4, not recommended.

Monitoring Requirements:

Sound-Alikes/ Look-Alikes: Not available.

High Alert: Not available.

Boxed warnings or alerts issue: Not available.

Toxicity if antidote required: Not available.

Storage if there is a particular condition: Store between (20 - 25°C).

Patient Counseling

For patients with difficulty swallowing, breaking apart or crushing the tablets and mixing them with only drinking water is advised. This information is crucial for effective patient counseling.

Some medicines can affect how maribavir works; inform the doctor if you are using carbamazepine, cyclosporine, digoxin, everolimus, phenytoin, phenobarbital, rifabutin, rifampin, rosuvastatin, tacrolimus, sirolimus, or St John's wort.

As well as if you are pregnant or breastfeeding or if you have kidney disease or liver disease.

Cost Analysis

Drugs	Drug classes	Approval Indication	Dose	Cost (American Dollar)	Insurance drug formulary(SCHI)
Chikungunya vaccine	Vaccine	Chikungunya fever	0.5 mL I.M.	350\$	Not Covered

REFERENCES

1. Product Information: IXCHIQ intramuscular solution, chikungunya vaccine, live intramuscular solution.
2. Valneva USA Inc (per FDA), Bethesda, MD, 2023.

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