The physical compatibility of isavuconazonium sulfate with 95 i.v. drugs during simulated Y-site administration was studied” So et al (2017).

Abstract:

Purpose: The physical compatibility of isavuconazonium sulfate with 95 i.v. drugs during simulated Y-site administration was studied.

Results: Of the 95 drugs tested, isavuconazonium sulfate was physically compatible with 66
Physical compatibility of intravenous isavuconazonium sulfate during Y-site administration

drugs in 0.9% sodium chloride injection and 60 drugs in 5% dextrose injection. Incompatibility was observed with albumin, amphotericin B deoxycholate, amphotericin B lipid complex, amphotericin B liposome, ampicillin–sulbactam, cefazolin, cefepime, ceftaroline fosamil, ceftazidime, ceftriaxone, cefuroxime, colistimethate sodium, cyclosporine, ertapenem, esomeprazole, filgrastim, fosphenytoin, furosemide, heparin, meropenem, methylprednisolone, micafungin, phenytoin, potassium phosphate, propofol, sodium bicarbonate, sodium phosphate, and tedizolid. Azithromycin, bumetanide, penicillin G potassium, and piperacillin–tazobactam were incompatible with isavuconazonium sulfate in 5% dextrose injection only.

Conclusion: Of the 95 drugs tested, isavuconazonium sulfate 1.5 mg/mL was physically compatible with 66 drugs in 0.9% sodium chloride injection and 60 drugs in 5% dextrose injection. Incompatibility was observed with 18 antimicrobials, including most cephalosporins tested, and 14 other i.v. drugs in at least 1 of the 2 tested diluents.

Reference:


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