

ABSTRACT OF THE DISCLOSURE

[Task] The task is to improve, in the hydrogenation of an aromatic halonitro compound, the yield of halogenated aromatic amine as a target product without the need for a dehalogenation inhibitor while suppressing the production of a nitroso compound.

[Solution] A hydrogenation catalyst for hydrogenation of an aromatic halonitro compound includes: a carrier containing at least one of silica, titania, and alumina; and at least one metal carried by the carrier and selected from group 10 elements in a periodic table.