You are using countermodel generation for classical predicate logic.

Tableau for

The tableau is open:

The formula is refutable. Countermodels:

Structure $S_4 = \langle \mathcal{D}, \mathcal{I} \rangle$ with

$$\mathcal{D} = \{a\}$$

$$\mathcal{I}: P \mapsto \{\}$$

$$R \mapsto \{\}$$

Structure
$$S_5 = \langle \mathcal{D}, \mathcal{I} \rangle$$
 with

$$\mathcal{D} = \{a\}
\mathcal{I}: P \mapsto \{\}
R \mapsto \{\}$$