

**SOTYKTU
(deucravacitinib)****RATIONALE FOR INCLUSION IN PA PROGRAM****Background**

Sotyktu (deucravacitinib) is an inhibitor of tyrosine kinase 2 (TYK2), which is a member of the Janus kinase (JAK) family. Sotyktu binding to TYK2 results in allosteric inhibition of receptor-mediated activation of TYK2 and its downstream activation of Signal Transducers and Activators of Transcription (STATs). The precise mechanism linking inhibition of TYK2 enzyme to therapeutic effectiveness in the treatment of plaque psoriasis is unknown (1).

Regulatory status

FDA-approved indication: Sotyktu is a tyrosine kinase 2 (TYK2) inhibitor indicated for the treatment of adults with moderate-to-severe plaque psoriasis (PsO) who are candidates for systemic therapy or phototherapy (1).

Limitations of Use: (1)

Sotyktu is not recommended for use in combination with other potent immunosuppressants.

Sotyktu has warnings regarding the following: hypersensitivity, infections, tuberculosis, malignancy including lymphomas, rhabdomyolysis, laboratory abnormalities, and immunizations (1).

It is not known whether TYK2 inhibition may be associated with the observed or potential adverse reactions of JAK inhibition. In rheumatoid arthritis (RA) patients 50 years of age and older with at least one cardiovascular risk factor, higher rates of all-cause mortality were observed in patients treated with the JAK inhibitor compared to those treated with TNF blockers. Sotyktu is not approved for use in RA (1).

The safety and effectiveness of Sotyktu in pediatric patients less than 18 years of age have not been established (1).

Summary

Sotyktu (deucravacitinib) is an inhibitor of tyrosine kinase 2 (TYK2), which is a member of the Janus kinase (JAK) family. Sotyktu is indicated for the treatment of moderate-to-severe plaque psoriasis (PsO). The safety and effectiveness of Sotyktu in pediatric patients less than 18 years of



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age have not been established (1).

Prior approval is required to ensure the safe, clinically appropriate, and cost-effective use of Sotyktu while maintaining optimal therapeutic outcomes.

References

1. Sotyktu [package insert]. Princeton, NJ: Bristol-Myers Squibb Company; September 2022.