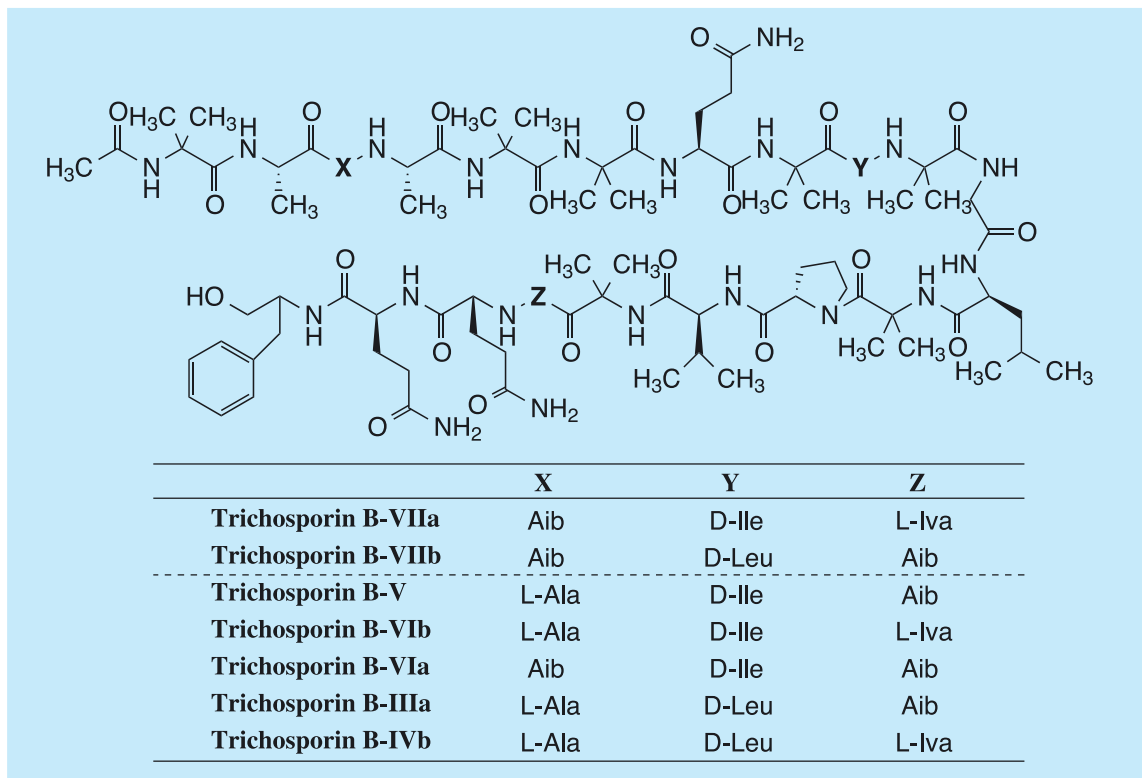


Trichosporin B-VIIa

1. Discovery, producing organism and structure¹⁾

Trichosporins B-VIIa and B-VIIb, along with five known analogs, trichosporins B-V, VIb, VIa, IIIa and IVb, were found in a culture broth of a fungal species, *Trichoderma polysporum* FKI-4452. All the trichosporin peptaibols showed moderate *in vitro* antitrypanosomal activity.



2. Physical data (Trichosporin B-VIIa)

White powder. mol wt 1978. Sol. in MeOH, CHCl₃.

3. Biological activity¹⁾

1) *In vitro* antitrypanosomal activity

Trichosporin B-VIIa exhibited potent *in vitro* antitrypanosomal activity against *Trypanosoma brucei brucei* GuTat3.1 parasites, with an IC₅₀ value of 0.92 μg/mL. Trichosporin B-VIIb exhibited only moderate *in vitro* antitrypanosomal activity, with an IC₅₀ value of 6.10 μg/mL.

4. References

- [1069] M. Iwatsuki *et al.*, *J. Antibiot.* **63**, 331-333 (2010)