Product Datasheet

Tinlarebant

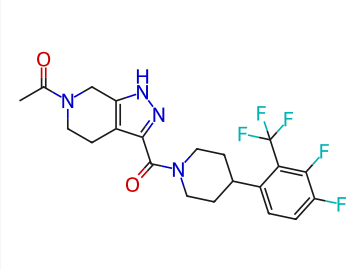
Catalog No. **BP-01123** · CAS **1821327-95-0** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-11-13**

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Target	Research area
Lipocalin Family	**Others**

Molecular formula	$C_{21}H_{21}F_5N_4O_2$
Molecular weight	**456.4091**

STRUCTURE



DESCRIPTION

Tinlarebant (LBS-008) is a small-molecule inhibitor of retinol binding protein 4 (RBP4).

BIOLOGICAL ACTIVITY

In Vitro

Retinol-binding protein 4 (RBP4) is a serum protein that transports Vitamin A. RBP4 is correlated with numerous diseases and metabolic syndromes, including insulin resistance in type 2 diabetes, cardiovascular diseases, obesity, and macular degeneration[1].

SOLUBILITY

soluble in DMSO

REFERENCES

[1]. Kim N, et al. Retinol binding protein 4 antagonists and protein synthesis inhibitors: Potential for therapeutic development [published online ahead of print, 2021 Sep 15]. Eur J Med Chem. 2021;226:113856.