

Product Name : BR111

Synonyms : BR 111

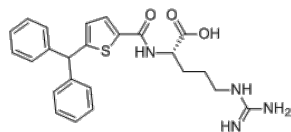
Cat No. : M10184

CAS Number : 1037092-93-5

Molecular Formula : C₂₄H₂₆N₄O₃S

Formula Weight : 450.56

Chemical Name : (5-benzhydrylthiophene-2-carbonyl)-L-arginine



Description : BR111 is a potent, highly selective and orally active antagonist of complement C3a receptor (C3aR) with IC₅₀ of 85±40 nM (inhibition of hC3a induced Ca²⁺ release on human macrophages); displays high selectivity for C3aR over C5aR; inhibits mast cell degranulation, thereby blocking recruitment and activation of macrophages and neutrophils, expression of inflammatory mediators and inflammation in a rat paw edema model.

Pathway : Immunology/Inflammation

Target : Complement System

Receptor : Complement System

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Lohman RJ, et al. Nat Commun. 2017 Aug 24;8(1):351.