

Product Data Sheet

Product Name: KBP-066 (trifluoroacetate salt)

Cat. No.: GC92122

Chemical Properties

Cas. No.

SMILES FC(F)(F)C(=O)O.NC([C@@H]1CCCN1C([C@H](C)NC([C@@H](NC([C@H](C)NC(CN C([C@@H](NC([C@H](CC(O)=O)NC([C@@]([H])(NC([C@@H](NC([C@@H]2CCCN2 C([C@H](CC3=CC=C(C=C3)O)NC([C@@]([H])(NC([C@@H](NC([C@@H](NC([C@@ H](NC([C@H](CC4=CN=CN4)NC([C@@H](NC([C@H](CC(O)=O)NC([C@@H](NC([C @@@H](NC([C@@H](NC([C@@H](NC(CNC([C@@H](NC(C(C)(NC([C@H](CS)NC([C @@@]([H])(NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@H](CS)NC(C) =O)=O)CO)=O)CC(N)=O)=O)CC(C)C)=O)CO)=O)[C@H](O)C)=O)=O)C)=O)CC(C)C= O)=O)CCCN(C)=N)=O)CC(C)C)=O)CO)=O)CCC(N)=O)=O)CC(C)C)=O)=O)CCC NC(N)=N)=O)CC(C)C)=O)CCC(N)=O)=O)[C@H](O)C)=O)=O)CCCCN)=O)[C@H](O)C)=O)=O)C(C)C)=O)=O)CC(N)=O)=O)=O

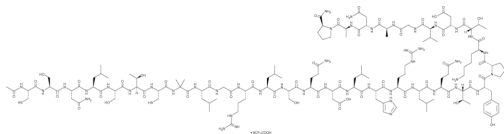
Formula $C_{147}H_{242}N_{46}O_{48}S_2 \cdot XCF_3COOH$ M.Wt 3485.9

Solubility DMSO: Soluble: ≥ 10 mg/ml, PBS (pH 7.2): Slightly soluble: 0.1-1 mg/ml Storage $-20^\circ C$

General tips For obtaining a higher solubility, please warm the tube at $37^\circ C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^\circ C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

KBP-066 is a dual amylin and calcitonin (CT) receptor agonist.¹ It induces β -arrestin recruitment in cells expressing CT receptor subtype a or the amylin 3 receptor (AMY₃) in a concentration-dependent manner. KBP-066 (50 μ g/kg) reduces body weight and food intake in rats fed a high-fat diet. It prevents increases in fasting blood glucose levels in *fa/fa* Zucker diabetic fatty rats.

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. Sonne, N., Larsen, A.T., Andreassen, K.V., et al. The dual amylin and calcitonin receptor agonist, KBP-066, induces an equally potent weight loss across a broad dose range while higher doses may further improve insulin action. *J. Pharmacol. Exp. Ther.* 373(1)92-102(2020).

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