

DPC-AJ1951 (trifluoroacetate salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

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| Description | DPC-AJ1951 is a peptide agonist of the parathyroid hormone (PTH)/PTH-related peptide receptor (PPR; EC50 = 0.15 nM in HEK293 cells expressing human PPR). It induces cAMP production in SAOS-2 and UMR106 cells that endogenously express human and rat PPR, respectively (EC50s = 2.2 and 1.1 nM, respectively). DPC-AJ1951 stimulates osteoclast-mediated bone resorption in fetal rat long-bone explant cultures and increases collagen synthesis and cell proliferation in neonatal mouse parietal bone explants. |
| Targets(IC50) | Others |
| In vivo | In vivo, DPC-AJ1951 normalizes serum calcium levels in thyroidparathyroidectomized rats. |

Solubility Information

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| Solubility | DMSO: Slightly soluble H2O: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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