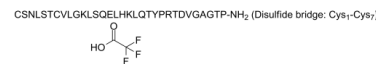


## Data Sheet

<b>Product Name:</b>	Calcitonin, eel (TFA)
<b>Cat. No.:</b>	CS-0089207
<b>Molecular Formula:</b>	C <sub>148</sub> H <sub>242</sub> F <sub>3</sub> N <sub>43</sub> O <sub>49</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	3528.89
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	10 mM in DMSO



### BIOLOGICAL ACTIVITY:

Calcitonin, eel TFA is the thyroid hormone peptide that contributes to the regulation of calcium homeostasis, widely used in the research of postmenopausal osteoporosis<sup>[1]</sup>. **In Vitro:** Calcitonin, eel effectively induces a concentration-dependent stimulation of phosphoinositide hydrolysis and stimulates prolactin release compared to salmon calcitonin in cultured anterior pituitary cells<sup>[1]</sup>. Calcitonin, eel is inactive on the inhibition of prolactin release under thyrotropin releasing hormone (TRH) stimulated conditions<sup>[1]</sup>.

### References:

[1]. Sortino MA, et al. Comparative effects of eel calcitonin, salmon calcitonin and [Asu1,7]eel calcitonin on hypophyseal and osteoblastic function. Gynecol Endocrinol. 1993 Jun;7(2):89-96.

### CAIndexNames:

Calcitonin, eel (TFA)

### SMILES:

OC(C(F)(F)F)=O.[CSNLSTCVLGKLSQELHKLQTYPRTDVGAGTP-NH<sub>2</sub> (Disulfide bridge: Cys<sub>1</sub>-Cys<sub>7</sub>)]

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA