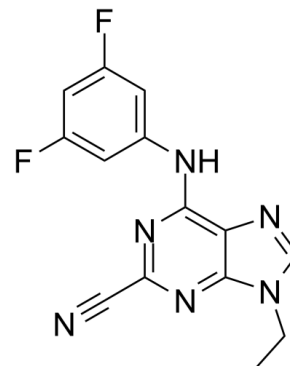


## Data Sheet

Product Name:	Cruzain-IN-1
Cat. No.:	CS-0002855
CAS No.:	1199523-24-4
Molecular Formula:	C <sub>14</sub> H <sub>10</sub> F <sub>2</sub> N <sub>6</sub>
Molecular Weight:	300.27
Target:	Others
Pathway:	Others
Solubility:	H <sub>2</sub> O : < 0.1 mg/mL (insoluble); DMSO : 80 mg/mL (266.43 mM); Need ultrasonic)



### BIOLOGICAL ACTIVITY:

Cruzain-IN-1 is a covalent and reversible **Cruzain** inhibitor, with an  $IC_{50}$  of 10 nM.  $IC_{50}$  & Target:  $IC_{50}$ :10 nM (Cruzain)<sup>[1]</sup>.

### References:

[1]. Lee GM, et al. Mapping inhibitor binding modes on an active cysteine protease via nuclear magnetic resonance spectroscopy. Biochemistry. 2012 Dec 18;51(50):10087-98.

### CAIndexNames:

9H-Purine-2-carbonitrile, 6-[(3,5-difluorophenyl)amino]-9-ethyl-

### SMILES:

CCN1C2=NC(C#N)=NC(NC3=CC(F)=CC(F)=C3)=C2N=C1

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

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