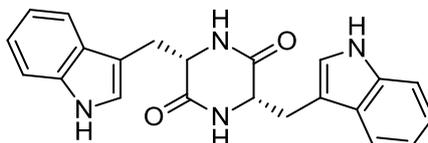


Cyclo(L-Trp-L-Trp)

Code No.: **BIA-C1721**

Pack sizes: **5 mg, 25 mg**



Synonyms :

Specifications

CAS #	: 20829-55-4
Molecular Formula	: $C_{22}H_{20}N_4O_2$
Molecular Weight	: 372.4
Source	: <i>Penicillium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Cyclo(L-Trp-L-Trp) is a diketopiperazine metabolite isolated from an uncharacterised actinomycetes by Korean researchers in 2010 as a broad spectrum antibiotic. Cyclo(L-Trp-L-Trp) is an isomer of the fungal metabolite fellutanine A, which was reported as inactive in antibacterial assays. Cyclo(L-Trp-L-Trp) is highly effective against multidrug-resistant *Acinetobacter baumannii*, other Gram positive species and the fungi, *Saccharomyces cerevisiae*, *Aspergillus niger* and *Candida albicans*. Cyclo(L-Trp-L-Trp) appears in several recent patents covering a diverse range of diketopiperazines with broad therapeutic claims.

References

1. Identification of *Streptomyces* sp. KH29, which produces an antibiotic substance possessing an inhibitory activity against multidrug-resistant *Acinetobacter baumannii*. Lee K.H. et al., J. Microbiol. Biotech. 2010, 20, 1672.