PRODUCT INFORMATION

TCS 1102
Item No. 18495

CAS Registry No.: 916141-36-1
Formal Name: (2S)-N-[1,1’-biphenyl]-2-yl-1-[2-[(1-
methyl-1H-benzimidazol-2-yl)thio]acetyl]-2-pyrrolidinecarboxamide
MF: C27H26N4O2S
FW: 470.6
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λmax: 205, 284, 291 nm

For long term storage, we suggest that TCS 1102 be stored as supplied at -20°C. It should be stable for at least two years.

TCS 1102 is supplied as a crystalline solid. A stock solution may be made by dissolving the TCS 1102 in the solvent of choice. TCS 1102 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of TCS 1102 in these solvents is approximately 10, 14, and 25 mg/ml, respectively.

TCS 1102 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, TCS 1102 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. TCS 1102 has a solubility of approximately 0.09 mg/ml in a 1:10 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

For Orexins (hypocretins) contribute to fear and avoidance in rats exposed to a single episode of footshocks. Brain Struct. Funct. 219(6), 2103-2118 (2014).

References