
Product Data Sheet

Product Name: Dansyl-NECA

Cat. No.: GC50103

Chemical Properties

Cas. No. 219982-12-4

SMILES CN(C)C1=C2C(C(S(NCCCCCNC3=NC=NC4=C3N=CN4[C@H]5[C@H](O)[C@H](O)[C@@H]([C@@](NCC)=O)O5)(=O)=O)=CC=C2)=CC=C1

Formula	C ₃₀ H ₄₀ N ₈ O ₆ S	M.Wt	640.75
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

High affinity and selective fluorescent adenosine A1 receptor agonist (K_i values are 27, 3600 and 4300 nM for A1, A3 and A2 receptors, respectively). Permits visualization of A1 receptors in the rat cerebellar cortex.

Macchia et al (1998) Fluorescent probes for adenosine receptors: synthesis and biology of N6-dansylaminoalkyl-substituted NECA derivatives. Bioorg. Med. Chem. Lett. 8 3223 PMID:9873707 |Kozma et al (2013) Fluorescent ligands for adenosine receptors. Bioorg. Med. Chem. Lett. 23 26 PMID:23200243

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

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