Benocyclidine
Item No. 11737

CAS Registry No.: 112726-66-6
Formal Name: 1-(1-benzo[b]thien-2-ylcyclohexyl)-piperidine
Synonyms: BCP, Benzothiophenylcyclohexylpiperidine, BTCP, GK 13
MF: C_{19}H_{25}NS
FW: 299.5
Purity: ≥98%
UV/Vis.: λ_{max}: 229, 270, 300 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥5 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

Benocyclidine (BCP) is a derivative of phencyclidine with a benzothiophenyl group instead of a phenyl ring. It acts as a potent and selective dopamine reuptake inhibitor (IC_{50} = 8 nM) with negligible affinity for the NMDA receptor-linked phencyclidine receptor (K_{0.5} = 6 μM).\textsuperscript{1,2} BCP has been used to label the dopamine transporter in the mouse brain.\textsuperscript{3} This product is intended for forensic and research applications.

References


WARNING
This product is for research only - not for human or veterinary diagnostic or therapeutic use.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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