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## Reapack® ETT activator

<http://www.lumiprobe.com/p/5-ethylthio-tetrazole-ett>

5-(Ethylthio)-1H-tetrazole, also known as ETT, is a chemical compound widely used as an activator in the synthesis of oligonucleotides. ETT is an effective activator for nucleoside phosphoramidites, facilitating their condensation with nucleosides to form dinucleoside phosphates during the synthesis of oligonucleotides. The ethylthio group makes ETT significantly more acidic than tetrazole, enhancing its ability as an activator.

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### General properties

Appearance: white powder

Molecular weight: 130.18

CAS number: 89797-68-2, 618-305-8

Molecular formula:  $C_3H_6N_4S$

IUPAC name: 5-ethylsulfanyl-2H-tetrazole

Solubility: acetonitrile

Quality control: NMR  $^1H$  and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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