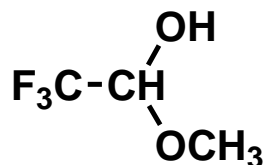


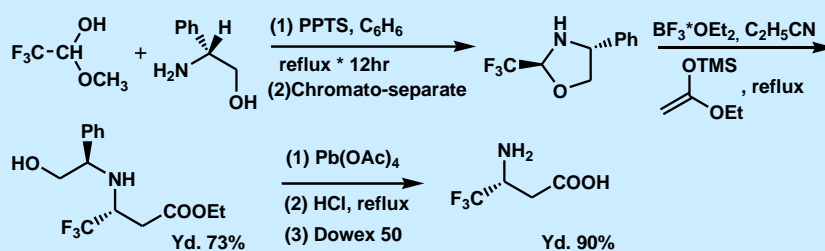
## Trifluoroacetaldehyde methyl hemiacetal (tech.)

(abb. ; TFHA)



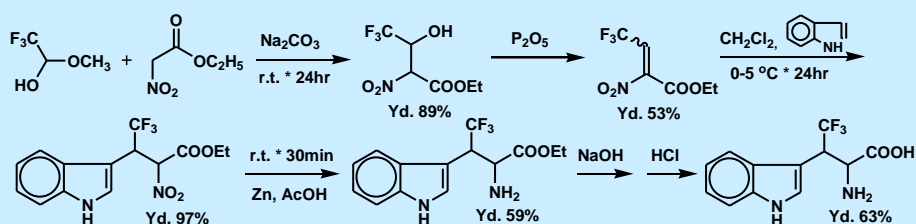
Purity	90-92%
CAS Number	431-46-9
Molecular Formula	C3H5F3O2
Molecular Weight	130.07

1. A method for introducing a chiral  $\beta$ -CF<sub>3</sub> group into a  $\beta$ -amino acid that exhibits a special physiological activity. Synthesis of 2-CF<sub>3</sub> oxazolidine from TFHA and (R)-phenylglycinol, followed by ring opening and hydrolysis to  $\beta$ -amino- $\beta$ -trifluoromethylalanine.



*J. Org. Chem., 2006, p2159-2162, Synlett., 1997, P1381-1382*

2. Synthesis of  $\alpha$ -nitro- $\beta$ -trifluoromethyl acrylate by reaction of TFHA and nitroacetate, which was reacted with indole to synthesize tryptophan derivative. Growth hormone activities of maize sprouts (+8.8%) and roots (+43%) were obtained.



*Russin Chemical Bulletin, Intntl. Ed., Vol.66., No.6, 2017, p1116-1121*

### Properties:

Appearance	Liquid
Boiling point, °C	96-97

Capacity: 100kg/month

Packing: -  
UN, PG: -