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A New Synthetic Approach to Cyclopenta-Fused Heterocycles Based Upon a Mild Nazarov Reaction

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(1) ORTEP plots for compound **47**

(2) CIF file for compound **47**

(3) ¹H NMR spectra of compounds **11, 16, 21, 22, 24, 27, 33, 42, 43, 46, 47, 57-60, 66-67, 73, 78, 79**.

ORTEP plots for compound **47**

11

16

22

CC1=C2C(=O)C=C1C3CCCCC3O2

3

X : parts per Million : 1H

4.0

3.0

2.0

1.0

0

0.42

0.51

0.95

1.03

1.07

2.19

3.06

mg2_1 gfe2zo
Pulse Sequence: szpu1

Produto Ernesto purificado
Pulse Sequence: zgpg30

prodotto reazione AFA166 purificato
Pulse Sequence: zgpg30

N-Is-2-Me-pip. triflate purified
Pulse Sequence: zgpg30

N-CD2-3-Ne-pip. triitate purificato
Pulse Sequence: zgpg30

57

prodotto reazione AF157 purificato
Pulse Sequence: zgpg30

tf
PROTON CDCl3 (\Bruker\35) Administrator 2

59

prodotto reazione AFA170 purificato
Pulse Sequence: zgpg30

67

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Revision Date   = 21-JAN-2003 14:43:23
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79

C[C@H]1C(=O)C(C(=O)O)C=C1C2=CCCCO2