**Synthesis of Epacadostat**

**Significance:** Epacadostat (INCB24360) inhibits the immunomodulatory activity of indoleamine-2,3-dioxygenase 1, thereby making possible the restoration and/or activation of the immune system in cancer therapy. In combination with pembrolizumab, epacadostat is currently in a phase III clinical trial for the treatment of metastatic melanoma.

**Comment:** Synthesis of the secondary 3-amino-furazan G by direct alkylation or reductive amination of the primary 3-amino substituent in E was low yielding, presumably due to the electron deficiency of the furazan. A general and robust alternate route to secondary amino-furazan G was accomplished through a Boulton–Katritzky rearrangement of the amidooxime furazan E.